

THE UNIVERSITY OF IDAHO BULLETIN

VOL. XX

No. 15

ANNUAL CATALOG

1924-1925

With Announcements for 1925-26

APRIL, 1925

PUBLISHED QUARTERLY BY THE UNIVERSITY OF IDAHO

Entered as second-class matter at the post-office at Moscow, Idaho

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THE UNIVERSITY OF IDAHO BULLETIN

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THIRTY-THIRD ANNUAL
CATALOG
OF THE
UNIVERSITY OF IDAHO
WITH ANNOUNCEMENTS FOR 1925-1926

PUBLISHED BY THE UNIVERSITY OF IDAHO

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CALENDAR OF THE UNIVERSITY

FIRST SEMESTER

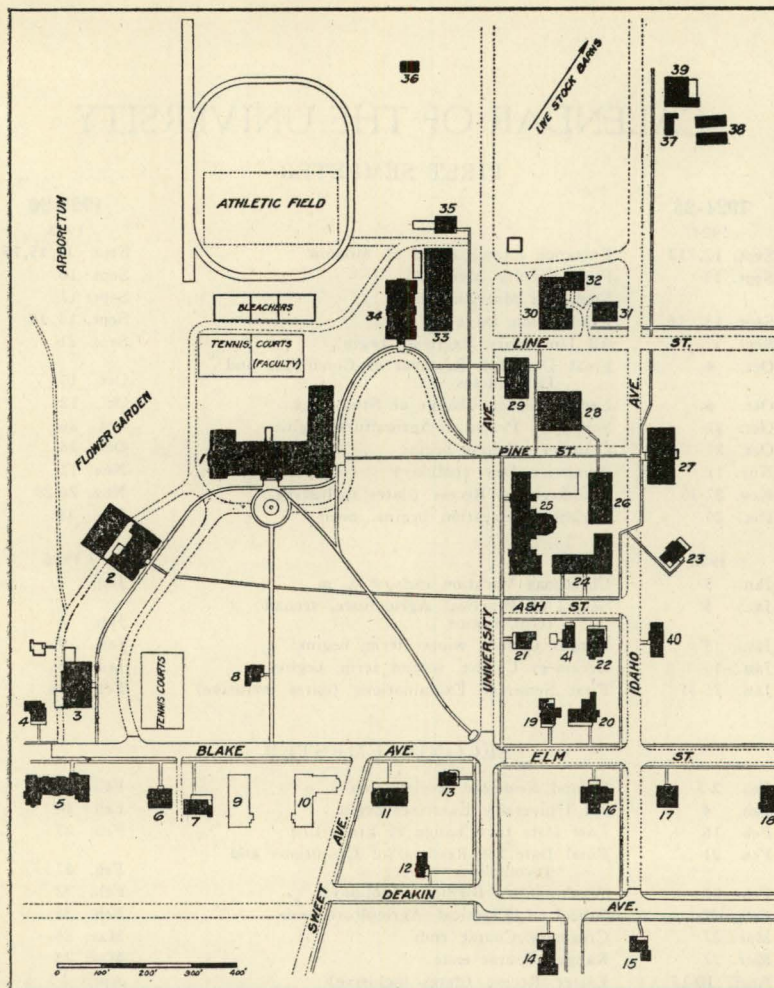
1924-25		1925-26
1924		1925
Sept. 12, 13	Entrance Examinations at Moscow	Sept. 14, 15, 16
Sept. 13	First Faculty Meeting	Sept. 16
	Freshman Matriculation	Sept. 17
Sept. 15, 16	Registration Days	Sept. 18, 19
Sept. 17	All University Exercises begin	Sept. 21
Oct. 4	Final Date for Removal of Conditions and Incompletes	Oct. 10
Oct. 6	Last Date for Change of Study-List	Oct. 12
Oct. 27	School of Practical Agriculture begins	Oct. 26
Oct. 27	Creamery Course begins	Oct. 26
Nov. 11	Armistice Day (holiday)	Nov. 11
Nov. 27-30	Thanksgiving Recess (dates inclusive)	Nov. 26-29
Dec. 20	Christmas Vacation begins, noon	Dec. 19
1925		1926
Jan. 5	Christmas Vacation ends, 8 a. m.	Jan. 4
Jan. 5	School of Practical Agriculture, second term, begins	Jan. 4
Jan. 5	Ranger Course, winter term, begins	Jan. 4
Jan. 19	Creamery Course, second term, begins	Jan. 18
Jan. 26-31	First Semester Examinations (dates inclusive)	Feb. 1-6

SECOND SEMESTER

Feb. 2-3	Second Semester Registration	Feb. 8-9
Feb. 4	All University Exercises begin	Feb. 10
Feb. 16	Last Date for Change of Study-List	Feb. 23
Feb. 21	Final Date for Removal of Conditions and Incompletes	Feb. 27
Feb. 23	Washington's Birthday (holiday)	Feb. 22
Feb. 27	School of Practical Agriculture ends	Feb. 26
Mar. 27	Creamery Course ends	Mar. 26
Mar. 27	Ranger Course ends	Mar. 26
April 10-13	Easter Recess (dates inclusive)	April 2-5
May 25	Nine-Week Summer Term begins	May 31
May 21, 22, 23	Entrance Examinations at Pocatello, Boise, and Moscow	May 27, 28, 29
May 30	Memorial Day (holiday)	May 30
June 2-6	Second Semester Examinations	June 8-12
June 1	Commencement	June 7

SUMMER SCHOOL

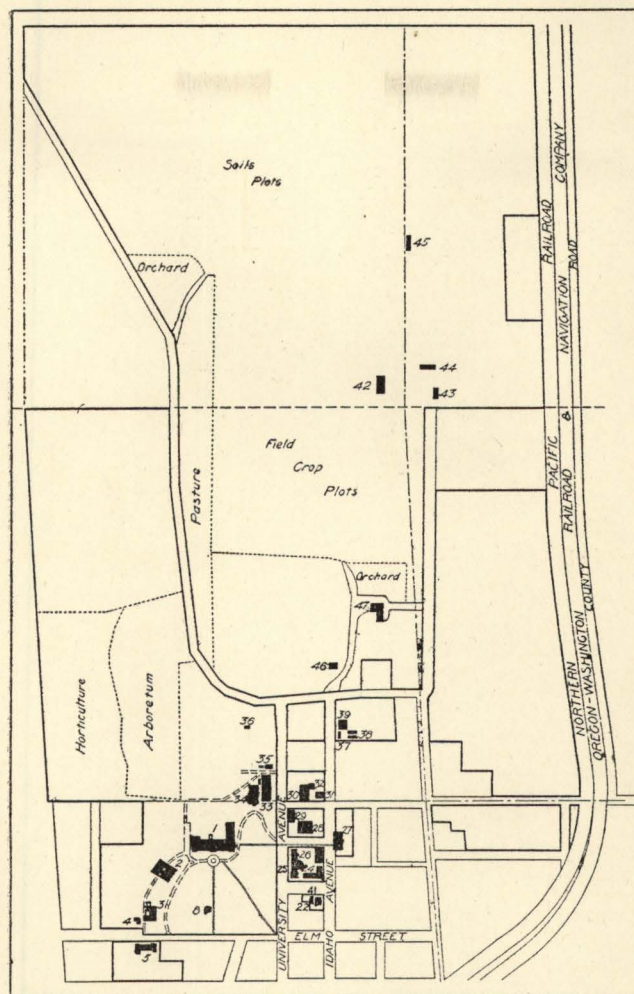
June 5, 6	Six-Week Summer Session Registration begins	June 11, 12
June 8	Six-Week Summer Session Classes begin	June 14
July 4	Independence Day (holiday)	July 4
July 17	Six-Week Summer School ends	July 24
July 24	Nine-Week Summer School ends	July 31



THE CAMPUS OF THE UNIVERSITY

(As Approached from the East, Which is the Down-Town Side)

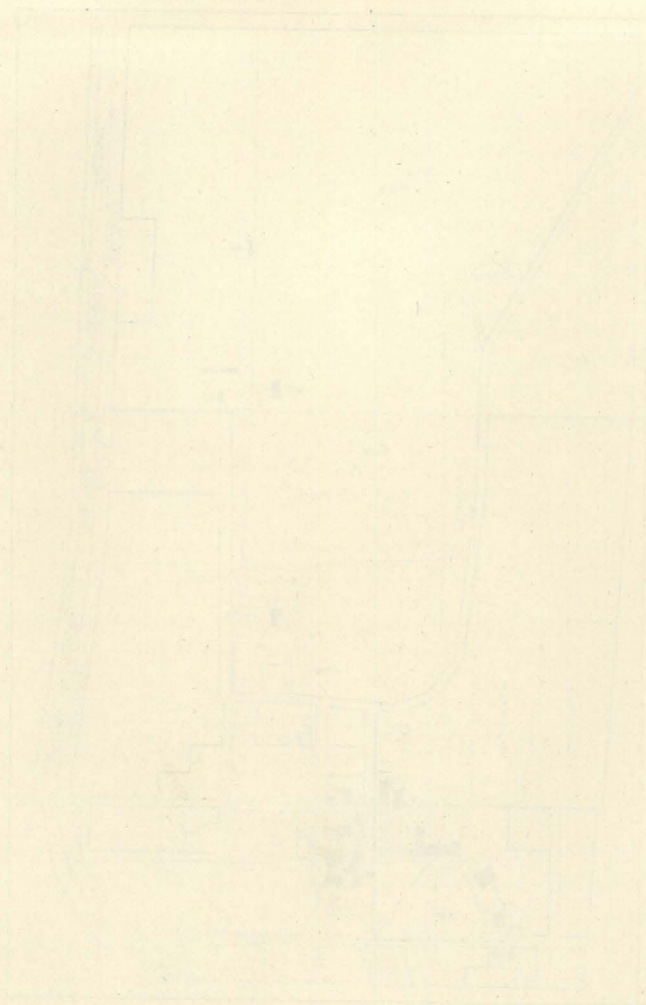
- | | | |
|--|------------------------------|------------------------------|
| 1. Administration Building | 13. Delta Chi | 29. University Hut |
| 2. Engineering Building (front) and Engineering Building Annex | 14. Sigma Alpha Epsilon | 30. Central Heating Plant |
| 3. Ridenbaugh Hall | 15. Pi Beta Phi | 31. Dairy Building |
| 4. Center Cottage | 16. Phi Delta Theta | 32. Agricultural Engineering |
| 5. Mary E. Forney Hall | 17. Delta Gamma | 33. Lewis Court |
| 6. Gamma Phi Beta | 18. Alpha Chi Omega | 34. Armory & Gymnasium |
| 7. Sigma Nu | 19. Beta Theta Pi | 35. Jenkins Cottage |
| 8. Liszt Hall | 20. Kappa Kappa Gamma | 36. Wood Products Laboratory |
| 9 & 10. Proposed Dormitory Group for Men | 21. The Elwetaz | 37. Storage Building |
| 11. Kappa Sigma | 22. Crest Cottage | 38. Seed Houses |
| 12. Kappa Alpha Theta | 23. Beta Chi | 39. Greenhouse |
| | 24. Lindley Hall | 40. Sigma Chi |
| | 25. Science Hall | 41. Infirmary |
| | 26. Geology Building | |
| | 27. Morrill Hall | |
| | 28. Metallurgical Laboratory | |



THE CAMPUS AND FARM

The scope of the College of Agriculture and of the home plant of the Experiment Station is here revealed. Buildings are numbered as on the opposite page. Fraternity and sorority houses are omitted. Additional buildings are: 42. Beef Cattle Barn; 43. Sheep Barn; 44. Horse Barn; 45. Swine Barn; 46. Stock Judging Pavilion; 47. Dairy Barn. The buildings of the Poultry Department lie in groups near the dairy barn and the greenhouses.

See under College of Engineering for a perspective sketch of the Engineering Laboratories, occupying six acres in addition to the area shown on these maps.



THE CHURCH AND FARM

The Church and Farm is a story of the life of a man who has lived on a farm and in a church. It is a story of the life of a man who has lived on a farm and in a church. It is a story of the life of a man who has lived on a farm and in a church. It is a story of the life of a man who has lived on a farm and in a church.

The Church and Farm is a story of the life of a man who has lived on a farm and in a church. It is a story of the life of a man who has lived on a farm and in a church. It is a story of the life of a man who has lived on a farm and in a church. It is a story of the life of a man who has lived on a farm and in a church.

THE UNIVERSITY OF IDAHO

THE UNIVERSITY OF IDAHO was established and is maintained by the commonwealth of Idaho for the higher education of its young people.

Enrolment this year is approximately 2200—a number large enough to permit provision of adequate teaching facilities; a number not so large as to preclude acquaintance of student with instructor and fellowship of student with student.

Seven distinct schools and colleges are maintained, affording instruction in the arts, sciences, and literature, with opportunities for technical specialization in agriculture, engineering, law, mining and metallurgy, education, home economics, business, music, and architecture. Strong pre-medical and pre-nursing curricula are offered. Baccalaureate and advanced degrees are granted. There are also short courses in agriculture, forestry, and mechanics arts. The seven schools and colleges, in order of their establishment, are:

The College of Letters and Science (offering, in addition to the B.A. and B.S. curricula, special curricula in Home Economics, Pre-Medical and Pre-Nursing Studies, Business, Music, and Architecture.)

The College of Agriculture.

The College of Engineering.

The College of Law.

The School of Mines.

The School of Forestry.

The School of Education.

The organization of the University includes also the Agricultural Experiment Station, with four substations; Extension Service in Agriculture and Home Economics; Non-Resident Instruction; the Summer School; and Graduate Study.

The faculty is made up of 143 persons. There are 38 professors, 18 associate professors, 23 assistant professors, 28 instructors, and 36 others, not including student assistants. Part of the staff of the Experiment Station, numbering 32, is included in these figures. In addition, the Agricultural Extension Division numbers on its staff 39 persons, including 15 specialists and administrators, and 24 county and district extension agents.

Twenty-nine buildings, on a campus and college farm of 400 acres, provide accommodations for instruction, experimentation, and the housing of students. On the campus proper of forty acres there are ten major buildings.

Two large dormitories are provided for young women and one for

young men. There are also several residence cottages. Sixteen fraternities and sororities have houses adjacent to the campus.

Graduates of accredited four-year high schools are eligible for admission to the University as students, in accordance with requirements stated on page 17.

Expenses are lower than at many other state universities. There is no tuition fee for residents of the state. The greatest items of expense are for board, room, and clothing. These require a sizable outlay for the present-day young person, whether he attends an institution of learning or not. Estimates supplied by students indicate that \$500 will cover the entire year's outlay for the frugal student, without requiring him to deprive himself of any essentials of college life. Some students spend less than this; others, more. Detailed estimates of expenses will be found on page 21 and following.

Most of the students earn a part of their way; many earn a considerable portion of it. Average earnings of 167 students from the opening of the school year in September, 1923, until January 1, 1924, were \$31.92 a month. The new student is urged, however, not to depend implicitly on such opportunities for his first year. He should enter the University with funds sufficient to pay all his way for the first semester. For a more detailed statement, see page 21.

THIRTY YEARS OF SUCCESS

Established in January, 1889,* by the Legislature of the Territory of Idaho, and confirmed in its establishment by the adoption of the State

*In January, 1889, the Legislature of the Territory of Idaho passed an act for the establishment of the University, which reads in part as follows:

"There is hereby established in this Territory, at the town of Moscow, in the county of Latah, an institution of learning by the name and style of 'The University of Idaho.' * * *

"The College or Department of Arts shall embrace courses of instruction in mathematical, physical, and natural sciences, with their application to the industrial arts, such as agriculture, mechanics, engineering, mining and metallurgy, manufactures, architecture, and commerce; and such branches included in the College of Letters as shall be necessary to proper fitness of the pupils in the scientific and practical courses for their chosen pursuits; and as soon as the income of the University will allow, in such order as the wants of the public shall seem to require, the said courses in the sciences and their application to the practical arts shall be expanded into distinct colleges of the University, each with its own faculty and appropriate title. The College of Letters shall be co-existent with the College of Arts, and shall embrace a liberal course of instruction in language, literature, and philosophy, together with such courses or parts of courses in the college of Arts as the Regents of the University shall prescribe. * * *

"Professional or other colleges or departments * * * may from time to time be added thereto or connected therewith."

The Constitution of the State of Idaho, adopted by the electors, November, 1889, confirmed the establishment of the University thus: "The location of the University of Idaho as established by existing laws is hereby confirmed. All the rights, immunities, franchises, and endowments heretofore granted thereto by the Territory of Idaho are hereby perpetuated unto the said University."

A board of nine Regents appointed by the Governor was created to govern the University, but in 1901 this number was reduced to five. By constitutional amendment, passed in 1912, and by act of the Legislature, 1913, the government of all the state educational institutions and the general supervision of the public schools were placed in the hands of one board, entitled "The State Board of Education and Board of Regents of the University of Idaho." This Board consists of five members appointed by the Governor, each to serve for five years, and the State Superintendent of Public Instruction *ex officio*.

Constitution in November of that year, the University of Idaho opened its doors October 3, 1892.

In the thirty-two years since that time, growth has been phenomenal. For the first year the students, 135 in number, were all of preparatory grade except six. On the day of opening, President Franklin B. Gault and one other professor constituted the Faculty. The one building had not been completed.

Growth to the present enrolment has been constant thru the years, with only a slight setback during the war.

THE SCHOOLS AND COLLEGES

Professional schools and colleges were established as offshoots of the parent College of Letters and Science one after another, in the order above-mentioned, as the needs of the state required.

THE COLLEGE OF LETTERS AND SCIENCE

The College of Letters and Science offers curricula of study leading to the degrees of Bachelor of Arts and Bachelor of Science, and the advanced degrees of Master of Arts and Master of Science. It affords instruction in Ancient and Modern Languages and Literatures, History, Economics, Business, Political Science, Sociology, Philosophy, Music, Mathematics, Physics, Chemistry, Botany, Zoology, Psychology, Geology, and Bacteriology. It also includes curricula for the degrees of Bachelor of Science in Home Economics, Bachelor of Science in Pre-Medical and in Pre-Nursing Studies, Bachelor of Science in Business, Bachelor of Music, and Bachelor of Architecture. The degrees of Master of Science in Business, Master of Science in Home Economics, and Master of Architecture also are granted.

THE COLLEGE OF AGRICULTURE

The College of Agriculture offers curricula of study toward the degrees of Bachelor of Science in Agriculture and Master of Science in Agriculture. It gives instruction in Agricultural Chemistry, Agricultural Education, Agricultural Engineering, Agronomy, Animal Husbandry, Bacteriology, Dairy Husbandry, Entomology, Horticulture, Plant Pathology, Poultry Husbandry, Veterinary Science, and Soils. The College also provides thru the School of Practical Agriculture a two-year curriculum of four months annually in industrial and agricultural subjects of high-school grade. A five months' commercial course in dairying is also maintained for those who cannot take the regular course, and a sixteen weeks' course is offered in Automobile Mechanics.

THE COLLEGE OF ENGINEERING

In the College of Engineering are curricula leading to the degrees of Bachelor of Science in the following branches of engineering: Civil, Electrical, Mechanical, and Chemical; also curricula leading to the advanced degree of Master of Science in these respective branches of engineering. The College also conducts the short course in Mechanics Arts.

THE COLLEGE OF LAW

The College of Law offers a standard three-year course open to students eighteen years of age and over who have completed at least two full years of prescribed work in the College of Letters and Science of the University of Idaho, or the equivalent thereof in other institutions of accepted academic standing. The College grants the degree of Bachelor of Laws. By special arrangement students may combine the work of the College of Letters and Science and the College of Law and satisfy the requirements of both the degrees of B.A. and LL.B. in six years. Several specified law courses may be taken free of charge by students enrolled in the other colleges of the University.

THE SCHOOL OF MINES

The School of Mines offers curricula of study leading to the degrees of Bachelor of Science in Mining Engineering, in Metallurgy, and in Geology. Courses leading to the degree of Master of Science in each of these branches are also offered.

THE SCHOOL OF FORESTRY

The School of Forestry offers curricula of study in General Forestry, Logging Engineering, and Grazing. It grants the degrees of Bachelor of Science in Forestry and Master of Science in Forestry. The school also offers a curriculum of high-school grade, covering a period of three months.

THE SCHOOL OF EDUCATION

The School of Education offers instruction in Psychology and in Education leading to the degree of Bachelor of Science in Education.

GRADUATE STUDY

Graduate study, leading to the Master's degree, is offered by virtually every department of the University, under supervision of the Director of Graduate Study.

THE AGRICULTURAL EXPERIMENT STATION

The Agricultural Experiment Station is organized to fulfil as effect-

ually as possible the purpose of the Acts of Congress known as the Hatch Act and the Adams Act and of the State Legislature in various appropriation measures, in the improvement by research of the agricultural industry of Idaho. The Station Council, composed of the President of the University, the Director of the Station, and those in charge of various departments of agricultural research, directs the work of the Station Staff in experiment and investigation in both the central station in Moscow and the several sub-stations in different parts of the state.

EXTENSION SERVICE

The Extension Division of the College of Agriculture is organized to extend information and educational assistance to the people of the state, so far as the resources of the University permit. At present it conducts work in agricultural and home economics extension by various county agricultural agents, field specialists in agriculture, leaders of boys' and girls' clubs, and home demonstration agents, under the supervision of the Director of Extension.

The University also offers non-resident instruction to local study groups, and by correspondence to others who cannot take up residence in Moscow.

THE SUMMER SCHOOL

The Summer School of the University is maintained to afford instruction both for regular University students and for persons who desire to avail themselves of the University facilities during the summer only. Credits toward University degrees may be earned. The instructional staff is made up of members of the University Faculty and lecturers from other institutions. The number of graduate courses has been materially increased.

STATE BUREAU OF MINES AND GEOLOGY

The law establishing the State Bureau of Mines and Geology specifies that its office shall be at the University, and thru this medium cooperative relations are maintained with the United States Bureau of Mines and with the United States Geological Survey in all matters pertaining to work in the State of Idaho. The state and federal bureaus maintain a joint metallurgical staff engaged in the investigation of metallurgical problems of the state.

THE UNIVERSITY'S INCOME

The income for all departments of the University is estimated for the biennium 1925-26 as follows:

Federal:

Land Endowment Fund*	\$185,000
Funds for Instruction in Agriculture and	
Mechanics Arts	100,000
Funds for Experimentation and Research.....	60,000
Funds for Extension (Agriculture, Home	
Economics, etc.)	129,695
	\$ 474,695

State:

Maintenance and Equipment	1,134,270
Local	124,258
	\$1,733,223
Total.....	
For Buildings and Improvements	250,000
	\$1,983,223
Grand Total.....	

THE TOWN AND CAMPUS

The University is located at Moscow, in the northern part of Idaho, on the Palouse and Lewiston branch of the Northern Pacific Railway, at the terminus of the Moscow branch of the Union Pacific system, and at the terminus of the Spokane and Inland Empire Railway (electric). The city has a population of about four thousand, is supplied with exceptionally pure artesian water, and has well sustained churches and excellent public schools. The moderate altitude of 2,600 feet makes the climate of Moscow a desirable change both for students coming from the more humid climate of the coast, and for those from the high, arid regions. The air is pure and invigorating. The locality enjoys the cool summers of the semi-mountain elevation and the mild winters of the region west of the Rocky Mountains.

The University site is on an eminence southwest of the city, over-

*The original land endowment of the University consisted of 286,080 acres of federal lands, distributed as follows:

96,080 acres for the University proper;
100,000 acres for the School of Science;
90,000 acres for the College of Agriculture.

The value of the land endowment from the Federal government should be nearly six million dollars; approximately one-fourth of this land has been sold.

looking one of the most attractive prospects of mountain and valley in the Palouse country. The campus, with its green lawns, shaded walks, and buildings of pleasing architecture, is famous for its beauty. The grounds west of the campus proper near the Gymnasium, containing twenty acres, form a natural amphitheater and are laid out as a permanent athletic field. Upon one of the surrounding slopes seats have been built which afford a good view for spectators.

In the University campus and college farm there are 310 acres, and in addition 75 acres of leased land. There is a sub-station at Caldwell of 320 acres, and one at Sandpoint of 170 acres, all owned by the University and used for the conduct of experimental and demonstration work. The University also has under lease at Aberdeen an 80-acre tract used for similar work. Furthermore, a station at an altitude of over 6,000 feet, named "The High Altitude Substation," was located in 1918. This consists of 160 acres for experiments in dry farming and 40 acres in irrigation at high altitude.

The University holds under lease, a section of partly timbered land on Moscow Mountain, about six miles from the campus, which is maintained by the School of Forestry as an experimental tract.

BUILDINGS ON CAMPUS AND FARM

THE ADMINISTRATION BUILDING, which replaces the building destroyed by fire, March 30, 1906, was completed by the erection of the south wing in 1920. It is an absolutely fireproof, three-story structure in Collegiate Gothic style and contains the library, offices, and many class and lecture rooms, as well as an auditorium with a seating capacity of 1000.

THE ENGINEERING BUILDING (1902) is of brick, three stories high, with a ground floor of 60x108 feet. The offices, class-rooms, and laboratories of the departments of Chemistry (including Chemical Engineering) and Electrical Engineering, and the office, drafting, and class-rooms of the Department of Mechanical Engineering are located in it. It also contains one of the laboratories of the Department of Civil Engineering.

THE ENGINEERING ANNEX (1918), a one-story brick structure, 56x108 feet, is well planned in its arrangements for heat, light, and ventilation. It furnishes quarters for the drafting rooms and the road materials laboratory of the Civil Engineering Department.

THE ENGINEERING SHOPS (acquired by the University in 1923) comprise a group of modern concrete buildings of the factory type, affording 25,000 square feet of floor space. These buildings contain the wood shop, forge and foundry shops and machine shops of the Mechanical Engineering Department. A portion of one of the buildings contains an excellent machine shop used for custom work and available for instructional pur-

poses. An area of 5,000 square feet is devoted to the laboratories of the Agricultural Engineering Department.

MORRILL HALL (1906) constructed of brick and stone at a cost of about \$50,000, is designed to meet the needs of the College of Agriculture and the Agricultural Experiment Station.

THE GEOLOGY BUILDING (1906), is of one story, 110x52 feet, of selected brick with rubble foundations, and is equipped for geological, mineralogical, and petrographic work, with suitable offices, class-rooms, and laboratories. The central portion of the building houses the geological museum.

THE METALLURGICAL LABORATORY (1906) occupies a red pressed-brick building with ground-floor plan of 84x96 feet. It represents, with its present equipment, an expenditure of about \$50,000. It is built upon sloping ground and has the different floors or levels common to all mills constructed on a hillside.

SCIENCE HALL (1924) is a handsome structure of Tudor-Gothic architecture, fire-proof, built of reinforced concrete, faced with brick and stone trimmings, and roofed with slate. Its three stories and attic are designed thruout to provide accommodations for instruction in the sciences. Its central section is 120 feet long, and its east and west wings each approximately 40x68. Large laboratory rooms occupy most of its space. An octagonal lecture room, 45x56, with inclined floor and seating capacity for more than 250 students, occupies the top floor of a two-story north wing. Present cost of this building, as provided by millage tax levy, has been \$180,000. Interior completion and installation of equipment will cost \$125,000, which sum is available by legislative appropriation.

RIDENBAUGH HALL (1902), a dormitory for women, is a three-story brick building finished and furnished according to the most approved plans. It contains three reception halls, thirty-five rooms, two large sleeping porches, a dining hall for 200 boarders, and apartments for the Dean of Women.

MARY E. FORNEY HALL (1923), dormitory for women, is a modern, three-story, brick structure, with full basement and sub-basement, being virtually a four-story building above ground level. Accommodations are provided for 110 girls, the residence unit being a suite of two studies, a sleeping porch, and a dressing room, designed for the use of four students. The large recreation room, kitchen, dining room for 125, and living rooms for six students and employes are in the basement, which overlooks Moscow from the hillside. This dormitory, 65x140 feet in ground dimensions, was erected at a cost of \$100,000 by the University of Idaho Building Association, composed of Moscow business men, and is under lease to the University.

LINDLEY HALL (1920-22), a three-story brick building, was built by

citizens of Moscow and is under lease to the University. It provides rooms for 150 young men, and apartments for the Proctor and his family. In the basement are a dining-room, accommodating 200, and shower-bath conveniences.

A NEW DORMITORY FOR MEN, to cost \$100,000 and to house 125 students, is assured thru the financing of the University of Idaho Building Association, as soon as the expansion of the University requires it.

JENKINS COTTAGE was acquired by the University in 1920 and provides living accommodations for thirty students.

CENTER COTTAGE was acquired by the University in 1921 and houses thirty-five students.

CREST COTTAGE, acquired by the University in 1922, has a capacity of thirty.

THE ARMORY AND GYMNASIUM (1904) is a large rectangular structure of red brick, with a ground floor of 129x64 feet. It was constructed at an approximate cost of \$35,000.

LEWIS COURT (1911), an annex to the Gymnasium built by private subscription, is a one-story wooden structure 60x180 feet in dimensions, with a cinder floor. It is used for winter military drill and recreation.

THE AGRICULTURAL ENGINEERING BUILDING (1915) is a two-story brick building adjoining the heating plant. It has a ground-floor space of 5,400 square feet and contains the agricultural engineering office, class room, agricultural drafting room, the hydraulics laboratory, and the office of the engineer of the heating plant.

THE DAIRY BUILDING (1918) is a three-story building containing 6,000 square feet of floor space. The entire building, except an office for the Department of Poultry Husbandry, is devoted to the work of the Department of Dairying, giving this department unsurpassed accommodations for its work.

LISZT HALL (1897), a two-story frame structure, formerly the Horticultural Building, was refitted in 1907 for instruction in piano and theory in the Department of Music. Music studios also are provided in a rented house near the campus.

THE UNIVERSITY HUT is a one-and-one-half-story frame structure erected in 1918 by the National War Work Council of the Y. M. C. A., and originally intended for the use of the student-soldiers. It contains the offices of the Y. M. C. A. secretary, the graduate manager and executive

board of the Associated Students, and the *University Argonaut*, together with the Little Theater, in which performances of the play-production classes are given.

THE INFIRMARY (1920), formerly a two-story frame residence, has been enlarged and refitted as a hospital for students who become ill.

THE CENTRAL HEATING PLANT (1909) is a brick structure which furnishes steam heat to most of the University buildings.

THE DAIRY BARN (1911) is a part-shingle, part-stucco building located just west of the campus and planned to house the University dairy herd of fifty animals.

THE BEEF CATTLE BARN (1922) is a substantial and modern structure, 54x120 feet, located on the University farm.

THE HORSE BARN (1908) is a substantial and thoroly modern structure, 40x112 feet, located on the University farm.

THE SHEEP BARN AND SWINE BARN (1918) are new buildings of simple but attractive design conveniently arranged for handling the livestock.

THE STOCK JUDGING PAVILION (1911) is situated near the campus on the west and furnishes ample room for practice work in stock judging.

THE POULTRY SERVICE BUILDING (1919) is equipped for incubation and poultry laboratory work.

THE BY-PRODUCTS BUILDING (1907) is a frame structure, 30x34 feet. It is equipped for canning and evaporating fruits and vegetables of all kinds.

THE GREENHOUSES (1908) are situated northwest of the Agricultural Engineering Building.

THE LIBRARY

The University Library consists of approximately 85,000 volumes, including state and government documents, and several hundred pamphlets. As a designated depository, the library receives all publications of the United States Government, of the Carnegie Institute of Washington, and of some other scientific societies. It also receives a large number of state publications and single-volume gifts. It receives regularly 385 of the leading periodicals. The list includes American and foreign publications, both general and technical. Many Idaho newspapers are sent free by the publishers and are filed in the magazine room for the use of the students. Anyone, whether directly connected with the University or not, is welcome to the use of the library for both reference and reading.

ADMISSION TO THE UNIVERSITY

GENERAL STATEMENT.—Applicants for admission to the University must be at least sixteen years of age (eighteen for admission to the College of Law). They must present satisfactory evidence of good moral character, and must have completed a full four-year curriculum in an accredited secondary school, covering at least fifteen units.***

Students are classified as graduates and undergraduates. Undergraduates are classified as regular students (Freshmen, Sophomores, Juniors, and Seniors), and special students.

ADMISSION AS REGULAR STUDENTS.—Graduates of accredited high schools who present Certificates of Recommendation may be admitted to the University without examination. They must, however, meet the specific requirements for the curriculum they wish to enter.

The apportionment of required and elective units for entrance to the various college curricula is shown below. It will be seen that of the total of fifteen units required, nine are specified for admission to all curricula, ten are specified for admission to the School of Mines and the College of Engineering, and eleven for admission to the College of Letters and Science.

TABLE OF ADMISSION REQUIREMENTS

	Coll. of Letters and Science*	College of Agr.	College of Eng.	College of Law	School of Mines	School of Forestry	School of Education
English	3	3	3	3	3	3	3
A Foreign Language	2	—	—	2	—	—	—
History and Social Science	2	2	2	2	2	2	2
Physical and Natural Science	2†	2†	2‡	2	2†	2†	2†
Algebra	1	1	1½	1	1½	1	1
Plane Geometry	1	1	1	1	1	1	1
Solid Geometry	—	—	½	—	½	—	—
Total Specified Units	11	9	10	11	10	9	9
Vocational and Elective Units	4-6*	6	5	4	5	6	6
Total Required Units	15	15	15	15**	15	15	15

Other applicants for admission, including students from non-accredited high schools, will be required to take entrance examinations in fifteen units of acceptable work. These examinations will be given at Boise, Pocatello, and Moscow (and may be given in other places) during the

*Requirements for admission to the College of Letters and Science cover admission to the B.A., B.S., B.S.(H.Ec.), B.S.(Pre-Med.), B.S.(Bus.), B.M., B.Arch., and B.S.(Pre-Nurs.) curricula. Graduates of Home Economics courses entering the B.S.(H.Ec.) curriculum may present further vocational units in place of a foreign language but must carry a foreign language in college. Students planning to enter the curriculum in Architecture should present 1½ units in Algebra and ½ unit in Solid Geometry and should present French as their foreign language.

**Two years of college work also are required. See page 19.

†It is highly desirable for students planning to enter the College of Agriculture, the School of Mines, the School of Forestry, the School of Education, or the B.S., B.S.(Pre-Med.), or B.M. curriculum of the College of Letters and Science to offer one unit in Physics.

‡One unit in Physics must be included.

***A "unit" represents a high-school subject taught five times a week in periods of not less than forty minutes' duration (laboratory eighty), for a school year of at least thirty-six weeks.

last week in May of each year and at Moscow on the Friday and Saturday of the week preceding registration for the fall semester of the University. In the year 1925, the examinations are given on May 21, 22, and 23, and again on September 14, 15, and 16. Persons who are interested should write the Registrar for detailed information. Those who expect to take entrance examinations must notify the Registrar at least two weeks before the dates on which the examinations are held, stating the subjects in which they desire to offer entrance credit by examination.

Students who offer fifteen units of approved high-school work but who fail to meet specific requirements may be admitted and take courses for which they are prepared. Students must remove all entrance deficiencies before the beginning of the Junior year or they will be debarred from registering until the deficiencies are removed or the required courses are placed on their study lists.

ADMISSION AS SPECIAL STUDENTS.—Persons twenty-one years of age, *who are unable to meet the admission requirements for regular students* and who desire to take special studies, may be admitted as special students upon presentation of satisfactory evidence that they are fully qualified to enter upon the work.

A special student is not eligible for any degree. In order to become a candidate for a degree, such student must attain regular standing before the beginning of his third year in the University. Registration in any semester is dependent upon the record thus far made at the University.

Graduates of accredited high schools are not admitted as special students, but are expected to qualify for regular undergraduate standing in accordance with the general rules.

CERTIFICATES.—An applicant for admission should obtain from the Registrar of the University a blank upon which his record may be inscribed. This should be filled out and signed by the superintendent, principal, or other official of the school in which the work was done. It must be mailed *by this official* to the Registrar of the University.* It should show the length of each course in weeks, the number of recitations a week, the length of each recitation, and the grade of scholarship attained.

It is highly important that the certificate be sent to the Registrar at an early date, so that there may be ample time for its inspection, and for a report to the applicant as to his eligibility for entrance before the opening of the University.

All certificates accepted toward admission to the University become the property of the University, and are permanently filed among its records. They cannot be returned to the student, but certified copies will be issued if needed.

*It is suggested that at the time of the high-school commencement the respective superintendent or principal fill out and mail to the Registrar Certificates of Recommendation for all students in his school who plan to attend the University the following year.

ADMISSION TO ADVANCED STANDING.—Students who have completed the work of the Freshman year or beyond in other colleges of recognized rank and who present a certified statement of their record and a letter of honorable dismissal from the institution last attended may be admitted to advanced standing. Credits presented from other than the above-mentioned colleges will be considered and evaluated, but they will not be accepted until after the completion of at least one semester of satisfactory work in the University. Credentials should include a record of credits earned in high school or other secondary school, as well as in the college or colleges attended, and should be sent to the Registrar at the earliest possible date. A student admitted to advanced standing must do at least one year's work in residence at the University before a degree will be granted. A year's work is interpreted as one-fourth of the total requirements for the degree sought.

Students entering the University from other institutions must comply with the same scholarship regulations as are provided for students who have been previously enrolled in this University. (See University Regulations Nos. 20 and 21.)

ADVANCED CREDITS.—Courses which have been completed in other colleges of recognized rank may be accredited upon presentation of the necessary credentials. Advanced credit will be given for courses completed in high schools or other institutions of high-school grade in excess of a total of sixteen units *only upon the following conditions*: a. The subject in which application for advanced credits is made must be approved by the Committee on Advanced Credits; b. An examination in this approved subject must be passed not later than one year from the applicant's admission to the University.

ADMISSION TO THE COLLEGE OF LAW.—Applicants for admission to the College of Law must fulfil the same entrance requirements as are imposed upon students entering the College of Letters and Science, and must in addition have completed fifty-six credits in courses of college grade (exclusive of courses in Military and Physical Education) equivalent to two years of college work. These credits may be earned by taking the prescribed work and permitted electives in the Freshman and Sophomore years of the College of Letters and Science, leading to the degree of Bachelor of Arts or Bachelor of Science. Three-fourths of the credits offered must be above grade D and the average must be 4.000 or above.

ADMISSION OF NORMAL SCHOOL GRADUATES.—Graduates of approved normal schools who have completed two years of normal work in addition to a four-year high school course fully covering the entrance requirements of the University are admitted to the School of Education and to the B.A. and B.S. curricula offered by the College of Letters and Science with 64 credits of advanced standing. Before graduation with

the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Science in Education, they must satisfy the specific requirements of the respective degree in the following subjects: English, foreign languages, social sciences, natural sciences, and major and related minor subjects.

Normal school graduates are requested to forward their high-school credentials together with those of the normal school.

ADMISSION FROM IDAHO TECHNICAL INSTITUTE.—By arrangement with the Idaho Technical Institute at Pocatello, students from that institution are admitted without examination and receive credit for all work which is the equivalent of similar courses offered by the University.

ADMISSION TO GRADUATE STANDING.—A bachelor's degree from a college or university of good standing is required for admission to graduate work. Full certified statements of both preparatory and college work are also required. For further regulations concerning graduate work see Part III of the catalog

DEGREES GRANTED

FIRST DEGREES

The following baccalaureate degrees are conferred upon those who have completed successfully the prescribed courses of study and who have complied with all other requirements laid down by the University:

Bachelor of Arts, B.A.
Bachelor of Science, B.S.
Bachelor of Science in Pre-Medical Studies, B.S. (Pre-Med.)
Bachelor of Science in Home Economics, B.S. (H.Ec.)
Bachelor of Science in Business, B.S. (Bus.)
Bachelor of Music, B.M.
Bachelor of Architecture, B.Arch.
Bachelor of Science in Pre-Nursing Studies, B.S. (Pre-Nurs.)
Bachelor of Science in Agriculture, B.S. (Agr.)
Bachelor of Science in Civil Engineering, B.S. (C.E.)
Bachelor of Science in Electrical Engineering, B.S. (E.E.)
Bachelor of Science in Mechanical Engineering, B.S. (M.E.)
Bachelor of Science in Chemical Engineering, B.S. (Chem.E.)
Bachelor of Laws, LL.B.
Bachelor of Science in Mining Engineering, B.S. (Min.E.)
Bachelor of Science in Metallurgy, B.S. (Met.)
Bachelor of Science in Geology, B.S. (Geol.)
Bachelor of Science in Forestry, B.S. (For.)
Bachelor of Science in Education, B.S. (Ed.)

ADVANCED DEGREES

The following advanced degrees are offered: Master of Arts, M.A.;

Master of Science, M.S.; Master of Science in Business, M.S.(Bus.); Master of Science in Home Economics, M.S.(H.Ec.); Master of Architecture, M.Arch.; Master of Science in Forestry, M.S.(For.); Master of Science in Agriculture, M.S.(Agr.); Master of Science in the respective branches of engineering, e. g., M.S. (C.E.), etc.; Master of Science in Metallurgy, M.S.(Met.); Master of Science in Geology, M.S. (Geol.); and Master of Science in Education, M.S.(Ed.) (For conditions of candidacy for an advanced degree, see Part III.)

EXPENSES

NO TUITION.—According to Section IV of the law by which the University was created, "No student who shall have been a resident of the State for one year next preceding his admission shall be required to pay any fees for his tuition in the University, except in a professional department or for extra studies." Beginning with September, 1925, all students not residents of the State of Idaho, who may matriculate as undergraduates in a regular course, will be required to pay a tuition fee of \$30 a semester in addition to fees and charges required from students resident in Idaho.

ANNUAL EXPENSES.—After careful inquiry into actual expenditures the University estimates that a reasonable annual budget for a student is \$500. This sum includes everything except railroad fare and clothing, and covers board, room, laundry, books, and incidentals. Most of this is for items the student would need even if he remained at home. The actual expense for education is slight. Much depends on the habits and tastes of the student. The figure above-named is considered fair both to the student and to the institution. Many students spend more, but others spend less. The necessary expenses of residence include the fee of the Associated Students of the University of Idaho (\$17); class dues (\$1); the health fee (\$5), which entitles a student to free clinical attention and hospital service under certain restrictions; room (\$45 to \$135); board (\$216 to \$288); laundry (\$18 to \$30); books and stationery (\$15 to \$30); membership in societies, and subscriptions.

EMPLOYMENT.—There are the usual opportunities for making money to be found in a small town. Earning one's way is quite the fashion at the University. One investigation showed that, for a period of three months and a half, 167 students earned an average of \$31.92 a month. Their work took an average of nineteen hours a week of their time. Students enter all kinds of employment. The most skilled, energetic, and persistent are the most prosperous. Skilled workers receive as high as forty cents an hour, and others less. New students seldom can expect to find employment by mail. Arrangements so attempted usually result unsatisfactorily. The employment officer (who is the secretary of the

University Y. M. C. A.) will make every effort to find work for students after their arrival, but the new student must face courageously the possibility of having to wait for employment. It is urged that the newcomer be provided with funds sufficient to pay his way for the first half-year. Too much attention to outside work, or to the quest for employment, in the early months of the Freshman year is likely to prevent successful class work.

Rooms.—The cost of rooms occupied by two students, in private houses, is \$5 or more for each person monthly, the average, with fuel and light included, being \$6. Many students live in the fraternity and sorority houses, the price per month for board and room ranging from \$35 to \$40. Board and room in private families occasionally can be arranged for, the average cost being approximately \$33 a month. Young women from out of town are required to live in University residences or sorority houses unless expressly permitted by the Dean of Women to live elsewhere to help earn board or room.

WOMEN'S RESIDENCES.*—Ridenbaugh Hall and Mary E. Forney Hall, the residences for young women, accommodate respectively 80 students and 110. Rooms in Ridenbaugh Hall are arranged in suites of two, comprising a study and bedroom intended for two occupants. Four large sleeping porches also are provided. Rooms in Mary E. Forney Hall are arranged in suites intended for four occupants, each suite consisting of two studies, a sleeping porch, and a dressing room. Rooms are lighted with electricity, heated with steam, and supplied with the following articles: three-quarter bed and mattress, bureau, table, and chairs. Students are expected to provide themselves with the following articles:

1. Four table napkins, approximately 22 by 22 inches.
2. A napkin ring and an individual drinking glass or cup.
3. Three pairs of sheets, approximately 1½ by 2½ yards.
4. Three pillow slips, a counterpane, and a pillow.
5. The necessary blankets, comforts, towels, bureau covers, curtains, and two small rugs.

All articles should be plainly and durably marked with the name of the owner.

Students using the laundry are required to provide themselves with clothes pins, ironing blankets, and sheets. Students who expect to do their own laundry should provide electric irons.

Application may be made at any time to the Dean of Women and rooms will be assigned in the order of application. The regulations are few and simple and appeal to the student's self-respect and personal responsibility. The halls are under the immediate supervision of the Dean of Women.

All residents of the halls are urgently requested to have their names plainly marked on the tops of their trunks. Bedding should be sent

*Center Cottage, Crest Cottage, and Jenkins Cottage will be designated as dormitories for men or as dormitories for women, as the need becomes manifest.

several days in advance, by parcel post, addressed to the owner, at Ridenbaugh Hall.

RATES AT THE WOMEN'S RESIDENCES.—Room rental is \$36 a semester, payable in advance. A deposit of \$5 is required of each applicant for accommodations at the halls before reservation is effective. This amount should be sent to The Bursar, University of Idaho, Moscow. It will be held until the close of the school year as a guarantee deposit for the proper care of rooms and furnishings. Board is \$6 a week, payable two weeks in advance.

LINDLEY HALL, the residence for men,* accommodates 150 roomers and its dining-hall accommodates 200. Each room contains two single steel-frame beds, is lighted with electricity, heated with steam, and supplied with the following articles: one built-in wardrobe, mattresses, bureau, table, two chairs, and hot- and cold-water faucets. Shower-bath conveniences are afforded in the basement. Students are expected to provide:

1. Four table napkins, approximately 22 by 22 inches.
2. A napkin ring and an individual drinking glass or cup.
3. Three pairs of sheets, approximately 1½ by 2½ yards.
4. Three pillow slips, a counterpane, and a pillow.
5. The necessary blankets, comforts, towels, bureau covers, curtains, and two small rugs.

All articles should be plainly and durably marked with the name of the owner.

Application may be made at any time to the Proctor and rooms will be assigned in the order of application. The regulations of the Hall are few and simple and appeal to the student's self-respect and personal responsibility. The Hall is under the immediate supervision of the Proctor.

All residents of the Hall are urgently requested to have their trunks plainly marked for identification.

RATES AT LINDLEY HALL.—Room rental at Lindley Hall is \$36 a semester, in advance. A deposit of \$5 is required of each applicant before reservation of a room is effective. This amount should be sent to The Bursar, University of Idaho, Moscow, and will be held until the close of the school year as a guarantee deposit for the proper care of rooms and furnishings. Board is \$6 a week, payable two weeks in advance.

GENERAL DEPOSIT.—Each student is required to make each semester on enrolment a deposit of \$10 with the Bursar. Any damage to college property for which he is considered responsible will be charged against this deposit. At the close of the semester, or on his withdrawal from college, whatever balance remains will be refunded to the student.

*Center Cottage, Crest Cottage, and Jenkins Cottage will be designated as dormitories for men or as dormitories for women, as the need becomes manifest.

HEALTH FEE.—The University maintains an infirmary under the direction of an experienced nurse. Each student pays a health fee of \$2.50 a semester, which entitles him to free clinical advice and to the privileges of the infirmary under certain restrictions imposed by the Faculty Committee on Health and Housing.

LABORATORY CHARGE.—Persons enrolling in certain laboratory courses are required to pay a nominal sum for materials used and to cover breakage and other damage to equipment.

A. S. U. I. FEE.—A fee of \$8.50 a semester is collected for the support of the various enterprises of the student body, known as the Associated Students of the University of Idaho. This entitles the student to a free copy of the semi-weekly student paper, the *Argonaut*, to admission to athletic contests, and to various other privileges. The A. S. U. I. also collects the class dues of fifty cents a semester.

LOAN FUNDS

LOAN FUND OF STATE CLUB WOMEN.—At its first biennial meeting, held in Boise, October, 1906, the State Federation of Women's Clubs decided to establish a scholarship fund for the University, to be lent to deserving students in amounts varied to suit individual needs. About \$200 was raised at once, which sum has been increased by contributions from clubs, high schools, and individuals to approximately \$10,000. This money is lent to Junior and Senior students. An applicant must be recommended by a club belonging to the State Federation, by the principal of his high school, and by some member of the University Faculty, preferably his Dean. This money is to be returned to the fund in payments of not less than \$10 a month, after the borrower obtains employment, together with interest at 6 per cent per annum from the time of leaving college. Students who desire to take advantage of this offer should apply for blanks and other information to Mrs. L. R. Brown, 401 North Lincoln Street, Pocatello, or to Mrs. J. H. Forney, 310 East A Street, Moscow.

FUNDS OF CIVIC ORGANIZATIONS.—As a result of the financial depression following the World War, which reached its lowest ebb in 1921, the Rotary Club of Moscow voted an annual contribution of \$100 to establish a fund to be lent to worthy students, under supervision of the President of the University. The Moscow Chamber of Commerce likewise pledged \$100 a year. The Chambers of Commerce of Coeur d'Alene, Wallace, and Kellogg, learning of this action, contributed the following amounts: Coeur d'Alene, \$100; Wallace, \$50; Kellogg, \$100. These funds are administered by a committee appointed by the President.

VERNON P. FAWCETT MEMORIAL FUND.—A \$1000 loan fund was established in 1921 by Mrs. W. H. Fawcett of Spokane in memory of her son,

Vernon P. Fawcett, who was drowned at Seaside, Ore., Aug. 15, 1921, while attempting to save the life of a young woman companion. He was a graduate of the University in the Class of 1914, having received the degree of Bachelor of Science in Agriculture. The fund is administered by a committee appointed by the President of the University.

SURGICAL LOAN FUND.—A surgical loan fund of \$300 was established in 1922 by Dr. E. R. Edson of Seattle, for the use of students who might need financial assistance in providing for surgical treatment.

SCHOLARSHIPS AND PRIZES

RHODES SCHOLARSHIP.—By the bequest of the late Cecil Rhodes, scholarships at Oxford University, of a yearly value of approximately \$1500, are appropriated to each state. These are tenable for three years and appointments are made in two out of every three years. Appointments are made by the Committee of Selection, consisting for the most part of former Rhodes scholars. President A. H. Upham is the chairman and McKeen F. Morrow, Boise, is the secretary of the committee for Idaho. A candidate* must be a resident of the state from which he is appointed or must have received the major part of his education therein; must be unmarried; must be a citizen of the United States; must have passed his nineteenth birthday but not his twenty-fifth on October first of the year in which he takes up residence; must have completed at least his Sophomore year; and according to terms of the Rhodes will must be distinguished by

“(1) his literary and scholastic attainments, (2) his fondness for and

*The Rhodes scholars for Idaho thus far have been:

1904—Lawrence Henry Gipson, '03	Caldwell
Lincoln College— <i>Modern History</i>	
1905—Carol Howe Foster, '06	Weiser
Brasenose College— <i>English Literature</i>	
1907—McKeen Fitch Morrow, '08	Boise
Worcester College— <i>Jurisprudence</i>	
1908—George Henry Curtis, '09	Boise
Worcester College— <i>Literae Humaniores</i>	
1910—Toney Taylor Crooks, '09	Frederonia, Kan.
Hertford College— <i>Medicine</i>	
1911—Ludwig Sherman Gerlough, '09	Boise
Jesus College— <i>Modern Languages</i>	
1913—Ralph Baxter Foster, '13	Valley Falls, Kan.
Lincoln College— <i>Modern Languages</i>	
1914—Baxter Merrill Mow, '13	Weiser
Jesus College— <i>Chemistry</i>	
Marvin Manly Monroe, '16	Buhl
(Elected for 1917, but residence deferred because of the war).	
1918—Walter Edward Sandelius, '19	Moscow
Wadham College— <i>Economics</i>	
1920—Ernest Kidder Lindley, '20	Lawrence, Kan.
Pembroke College— <i>Modern History</i>	
1921—Edwin Douglas Ford, Jr. ('21, Whitman College)	Weiser
St. John's College— <i>Jurisprudence</i>	
1923—Philip Wallenstein Buck, '23	Monrovia, Calif.
Wadham College— <i>Philosophy and Economics</i>	
1924—Walser Sly Greathouse, '24	Boise
Lincoln College— <i>Jurisprudence</i>	

success in manly outdoor sports, such as cricket, football, and the like, (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for, and protection of, the weak, kindliness, unselfishness and fellowship, and (4) his exhibition during school days of moral force of character and of instincts to lead and to take an interest in his schoolmates."

Qualifying examinations are no longer held.

THE JEROME J. DAY SCHOLARSHIP.—Mr. Jerome J. Day of Moscow has established in the School of Mines a loan scholarship to be awarded each year to the Sophomore in the School of Mines who is a graduate of an Idaho high school and who, in the opinion of the Committee, is the most deserving applicant, as demonstrated by his record during the freshman year. Under the terms of the scholarship it will be possible for each holder thereof to borrow from the scholarship fund, during his sophomore, junior and senior years, a sum not to exceed \$300 a year. This loan will run without interest until graduation and will bear interest at six per cent per annum from the date of the student's graduation until repaid into the Day Scholarship Fund. Beginning with the fall of 1925 this scholarship will take the place of the Shoshone county scholarship in the School of Mines heretofore awarded thru the generosity of Mr. Day.

UNION PACIFIC SCHOLARSHIPS.—The Union Pacific Railway system offers a series of scholarships to members of boys' and girls' clubs in agriculture and home economics in counties traversed by Union Pacific lines. The winner in each county receives a \$75 scholarship, together with free transportation to and from the University so far as his journey is over the lines of the Union Pacific.

BORAH DEBATE PRIZE.—In 1907 Senator William E. Borah established an annual debate prize of \$50, which is used in building up a special library unit known as the Borah Debate Library. In the books purchased each year are inscribed the names of the three intercollegiate debaters winning highest places for the year, together with the name of Senator Borah.

ORATORY PRIZE.—A prize of \$100 is awarded each year to the winner of the oratorical contest conducted by the University of Washington, the University of Oregon, and the University of Idaho. Any student may compete.

ECONOMICS PRIZE.—An appropriate volume is awarded annually by Professor Dale to the student majoring in the Department of Economics and Political Science (Business) who receives the highest average grade during the year.

THE PHILO SHERMAN BENNETT PRIZE of \$35 is awarded annually for an essay on a subject dealing with "The Principles of Free Government." The specific title is announced each year. The competition is open to all students in the University.

SCHOLARSHIP CUPS.—Thru the generosity of Mrs. Elisabeth Kidder

Lindley and Congressman Burton L. French two silver cups, named the Elisabeth Kidder Lindley Scholarship Cup and the Burton L. French Scholarship Cup, are offered to the group of women or men students, respectively, the majority of whose members live in the same house or hall, and who attain for three scholastic years the highest average of scholarship of all such groups. The respective groups upon whom the cups are conferred may have their names inscribed upon them and may keep them in custody until the next award is made.* The regulations governing the awarding of these cups are deposited with the University Faculty Scholarship Committee.

THE ALPHA KAPPA PSI PRIZE is a silver cup given by Alpha Kappa Psi, national honorary business fraternity, on which is engraved each year the name of the upperclassman in the Business Curriculum who has the highest scholastic average.

THE PI BETA GAMMA PRIZE is a silver shield given by Pi Beta Gamma, women's honorary business fraternity, on which is engraved each year the name of the Sophomore woman in the Business Curriculum who has the highest scholastic average.

THE SONS OF THE AMERICAN REVOLUTION TROPHY, for excellence in Early American History, is a handsome bust of Washington, designed by Bianchini. This is held for a year by the organization or hall whose representative presented the best thesis the previous year in the courses in American History. The winning student receives in addition a bronze medal from the society and has his name engraved on the pedestal of the bust.

MINING AND METALLURGICAL THESIS PRIZES.—The Columbia Section, American Institute of Mining and Metallurgical Engineers, Thesis Prizes are offered each year by Columbia Section, American Institute of Mining and Metallurgical Engineers, in competition between students of the University of Idaho and the State College of Washington. These are three cash prizes of \$25, \$15, and \$10 each for the best theses on mining, metallurgical, or geological subjects, submitted by the students of these two institutions.

FORESTRY TABLET.—Names of the four forestry students of highest scholarship each year in the four classes are engraved on a bronze tablet placed in the Administration Building by Epsilon chapter of Xi Sigma Pi.

THE SIGMA TAU SCHOLARSHIP MEDAL is given each year by the Idaho chapter of Sigma Tau, national honorary engineering fraternity, to the Sophomore who in the preceding year has made the highest grades as a Freshman in the College of Engineering or the School of Mines.

*The Burton L. French cup was won for three successive years by the Phi Gamma Delta fraternity, which thus obtained permanent possession of the trophy. Mr. French has offered a second cup for similar competition under the same conditions.

HONORS.—In order to promote scholarship, the Faculty adopted in 1907 a system of classified honors. Honors are of two kinds: (1) *Yearly Honors*, given at the close of each year and known as First-Year Honors, Second-Year Honors, Third-Year Honors, and Fourth-Year Honors; and (2) *Final Honors*, based upon the work of the entire course. Final Honors are given only to those who have performed the work of at least the Junior and Senior years in residence at the University of Idaho. Both the Yearly and the Final Honors are now divided into two groups known as Highest Honors and High Honors, respectively. To attain the former, a student must maintain an average of 5.666; to attain the latter, an average of 5.333. The Yearly Honor lists are published in September and the Final Honor list at Commencement. The arrangement of names within groups is alphabetical.

(For the list of final honors of the year 1923-24 see Part VI of the Catalog).

REGULATIONS

1. "Unit" is a quantitative term applied to preparatory work presented for admission to the University, and means one year's work in a subject in a standard high school. Thus, the ordinary four-year high-school course would amount to sixteen units.

2. "Credit" is a quantitative term applied to work at the University and is determined by the number of recitation-hours each week for a semester. Thus, a course meeting three times a week for one semester is called a three-credit course. Three hours' work in laboratory, shop, or field is counted as the equivalent of one recitation-hour. The latter presupposes two hours of outside preparation.

3. "Advanced Credit" is credit given for work at approved colleges and normal schools. Such credit is not definitely assigned until after one semester's residence. Admission with more than the required fifteen entrance units does not in itself imply that advanced credit will be given. See page 19.

4. "Grades" are reported as A, B, C, D, E, F, Inc., or W. The first four are passing grades, E means condition, and F means failure. Inc. means incomplete (see Regulation No. 7). W indicates withdrawal by permission while doing passing work (see Regulation No. 17).

5. "Condition" (a) as applied to an entrance subject or group, means a deficiency in that work which must be made up if possible in the first year, and in any case within two years; (b) as applied to a course at the University, it means that the semester's work in that subject is unsatisfactory, but such that the student is permitted to work up the subject outside of class. A condition not removed by the end of the third week of the first semester in which the student is registered in the University, after the condition is received, automatically becomes a failure

at that time, unless the student files in the Registrar's office a permit for extension of time signed by his dean and the instructor concerned.

6. "Failure" means that a student's work for the semester in a given subject is so unsatisfactory that he must repeat the course in order to receive credit.

7. "Incomplete" is a mark which may be given when a student, though doing passing work, has been unable to complete a course before the end of the semester. An incomplete not made up by the end of the third week of the first semester in which the student is registered in the University automatically becomes a failure at that time, unless the student files in the Registrar's office a permit for extension of time signed by his dean and the instructor concerned.

8. "Probation" is the status of any student who, on account of low scholarship or irregularity of attendance or conduct, is for a specified time deprived of certain privileges and is in danger of being dropped from the rolls. A student on probation is disqualified from representing the University in any athletic, musical, or dramatic performance and from engaging in any other extra-curricular activity. In order to remain in the University, a student placed on probation must at the end of the probation period (a) be doing passing work in eleven credits*, or (b) be doing passing work in all but one subject.

9. Registration. Monday and Tuesday of the first week of each semester are set apart for registration, on which days all students are required to pay their fees and complete their registration. Except in the case of new students, a penalty of \$2.00 is imposed for late registration; provided, however, that if a student registers after the last date for change of study-list in either semester he will be required to pay a late registration fee of \$10.00.

10. Number of Credits. No student may be registered for more or less than the regular schedule of credits in his curriculum without the permission of his dean; except that in the College of Letters and Science and in the School of Education students may register for as many as eighteen credits without special permission.

11. Credit for Less than One Year's Work. No credit is given for less than one year's work in a beginning foreign language, shorthand, typewriting, beginning applied music, elementary clothing, or certain courses in law.

12. Change of Curriculum. A student may not change his curriculum except by written permission of the deans concerned. In transferring from one school or college of the University to another, a student shall be enrolled at least one year and complete two full semesters' work before qualifying for a degree from the latter division.

*A student in the College of Law must (a) be doing passing work in seventy per cent of the number of credits for which he is registered, or (b) be doing passing work in all but one subject.

Freshmen and special students in their first semester in college may be allowed to remain if they pass in nine credits or in all but one subject.

13. Change of Study-List. When a student's study list has been filed, he may not change it except by the written permission of the dean of his college and of the instructor concerned. After three weeks in the first semester (Oct. 10, 1925) and after two weeks in the second semester (Feb. 23, 1926), no changes will be permitted except for extraordinary reasons accepted by the Committee on Scholarship. Any course dropped not in accordance with the above regulations will be recorded with the grade of F for the semester.

14. Concerted Absences and Absence from Classes Immediately Preceding or Following Vacations. Any and all students who absent themselves from any class exercises in any course in which they are registered, immediately before or after a vacation, or who participate in any unauthorized, concerted action to absent themselves from any class exercise shall have their final grade in the respective course reduced ten points. Members of the Senior Class, however, shall not be penalized for absence from classes on the day known as "Senior Sneak Day."

15. General Attendance. The following regulations concerning absences are in force for the school year 1924-25:

(a) Non-attendance at any required class or laboratory exercise, field trip, or written test constitutes an absence. Absences incident to late registration (except general registration during the first semester, 1924-25) or early withdrawal from the University are included in the above.

(b) The possible credits which a student may earn in any semester shall be the number of credits in which he is registered at the close of the semester plus one-tenth of the same. Thus a student registered for 16 credits, with a perfect attendance record would receive 1.6 additional elective credits at the end of the semester, making a total of 17.6 credits.

(c) Each absence entails a loss of one-tenth of one credit from the possible total.

(d) No absence shall be cancelled or excused by an instructor in any case. All omitted work, including required tests or quizzes, shall be made up at the convenience of the instructor.

(e) Absences from the University on account of participation in University activities such as debate and athletic contests, when authorized by the General Faculty in advance or, in an emergency, by the President, and absences due to special lectures or field trips authorized by a Dean of the College concerned, shall not fall within the provision of this rule during the year 1924-25.

(f) The limit of absences in any course, subsequent to registration therein, shall be three times the number of class meetings per week in that course; and if a student is absent in excess of that limit, he shall be dropped from the course with a grade of "F", subject to appeal to the Dean of the division in which he is registered.

(g) Students are responsible for their attendance without notification from the Registrar's Office as to their absences.

16. Applications for Baccalaureate Degree. All applicants for baccalaureate degrees must file petitions to be admitted to candidacy at the beginning of the last semester or summer session in which they are in residence. No application for a degree at a given commencement will be accepted after February 15.

17. Withdrawal. It is the duty of a student desiring to withdraw from the University to apply to his dean for an indefinite leave of absence. Failure to secure such a leave of absence will cause him to forfeit any balance remaining in the Bursar's office from his general deposit. *A student who withdraws for any reason receives a semester grade of F in any subject in which he is deficient at the time of withdrawal.*

18. Absence from Final Examinations. A student who absents himself from a regular semester examination without valid excuse receives an F. If the excuse is valid, and if the work of the semester is satisfactory, the student receives an Incomplete. In case of illness the excuse should be accompanied by a doctor's certificate.

19. Senior Final Examinations. Seniors are exempt from examination in all subjects except courses offered in the College of Law, in which they have attained a grade of A or B during their final semester.

20. Eligibility to Continue. At the end of any semester a student must have received a passing grade (a) in eleven credits or (b) in all but one subject of registered work in order to be eligible for registration the following semester;* except that, in their first semester in college, Freshmen and special students may be allowed to register the following semester if they have passed in nine credits or in all but one subject.

Students entering the University of Idaho from other institutions must comply with the same scholarship regulations as are provided for students who have been previously enrolled in this University.

21. Average Grade Required for Graduation. In order to be eligible for graduation, a student must have grades of C or above in two-thirds of the credits required in his curriculum and received after September, 1921. Beginning with the class of 1928, a grade of C or above will be required in three-fourths of the credits presented for graduation.

22. Class Rating. To be rated as a Freshman a student must have met the entrance requirements (fifteen units). To be rated with an advanced class a student may not be more than eight credits behind the catalog requirements for entering that class in a given semester. Thus, for example, a B.A. student having twenty-four credits at the beginning of the first semester may be ranked a Sophomore; while at the beginning of the second semester he must have forty credits to be so ranked.

23. Eligibility. No student may represent this institution in any athletic contest, debate, play, or other extra-curricular activity if five

*The above rule applies to students registered in the College of Law except that law students who have passed in at least two-thirds of their registered work shall be eligible for re-registration.

(5) days before such event, (a) he is on probation, or (b) he has not a passing grade to date in at least eleven hours of current work which applies toward a degree, or (c) he has not received twelve credits in the regular work of his previous semester in residence in this or any other institution.

No student may be absent from the campus in connection with extra-curricular activities more than sixteen working days a semester. No one extra-curricular activity (basketball, glee club, debate, etc.) may take students away from the campus more than twelve instructional days. The eligibility of all candidates for extra-curricular activities, other than athletics, must be certified by the Scholarship Committee before participation.

24. Social Organizations. Student organizations, including fraternities, sororities, and clubs, are under the supervision of the Faculty Committee on Student Organizations. In order to receive permission to form such an organization or to petition for a charter from a national organization, it is necessary to petition this committee.

25. Student Events. In order to receive permission for any student event, it is necessary to petition the Faculty Committee on Calendar.

26. Auditing of Accounts. All funds for public purposes within the University (except those of the A.S.U.I., fraternities, sororities, and boarding house organizations) which are contributed to or collected by any student or member of the Faculty shall be deposited with the University Bursar, subject to withdrawal upon the written approval of the President, or of the Bursar in the President's absence; and an accounting of all receipts and expenditures in these funds shall be made by those responsible for their collection immediately after they shall have been disbursed, this accounting to be audited by the Bursar.

27. Conduct. Students are held responsible for any breach of the recognized rules of conduct.

28. Smoking. Smoking in University buildings is forbidden.

UNIVERSITY ORGANIZATIONS

STUDENT AFFAIRS

A. S. U. I.—The Associated Students of the University of Idaho is an organization of the whole collegiate body, formed to control and direct student activities. It recognizes six principal departments: athletics, publications, debate, music, dramatics, and intercollegiate competition in agriculture. These are under the financial control of a Graduate Manager, subject to the general supervision of the Executive Board of the Associated Students.

In athletics, the University of Idaho is a member of the Pacific Coast

and Northwest conferences. Contests are arranged annually in football, basketball, baseball, tennis, and track athletics with the principal institutions of Washington, Oregon, California, and Montana. Games are played also with the universities of Utah and Wyoming. In debate, annual dual and triangular contests are held with colleges and universities of neighboring states.

THE INTER-HALL COUNCIL is an organization of men and women students in the dormitories, whose object is furtherance of university ideals and proper observance of all regulations made by the University for the benefit and uplift of the students. It seeks to be of mutual help to men and women who are not otherwise organized.

THE ASSOCIATED WOMEN STUDENTS.—This organization of all women students seeks "to regulate all matters pertaining to the student life of its members which do not fall under the jurisdiction of the Faculty; to effect a greater unity and a spirit of mutual helpfulness; and to promote and maintain the higher standards of university life." Regulations are enforced by a representative Council. Copies of these regulations will be sent on application.

THE WOMEN'S ATHLETIC ASSOCIATION is composed of women students who take active part in athletics.

THE INTERCOLLEGIATE KNIGHTS are an honorary organization of underclassmen, whose purpose is to entertain University visitors and to uphold University traditions. The organization is affiliated with similar chapters in other universities. The Idaho chapter is known as *The Knights of the Ball and Chain*.

IDAHO SPURS is an organization of women similar in purpose to the Intercollegiate Knights. Its members are chosen from the Sophomore class.

THE ASSOCIATED STUDENTS OF LINDLEY HALL is a society of dormitory men, maintained for self-government and promotion of the common welfare.

THE A. E. F. CLUB, composed of men who saw service with the American Expeditionary Forces, promotes the interests of ex-service men who are in attendance at the University.

RELIGIOUS

Religious activities among the students are promoted energetically by the Moscow churches, of which there are more than a dozen, representing all shades of religious faith. Young people's societies and Sunday school classes of these churches are organized especially with a view to serving students' needs. Religious organizations of university people are the following:

Y. M. C. A.—The Young Men's Christian Association seeks to foster

among the young men of the University the highest ideals of Christian fellowship and living, and to inspire to Christian service and leadership. Weekly meetings are held. Speakers of renown are brought to the institution. A full-time secretary is employed. The association conducts a bureau for student employment and for housing of non-campus residents.

Y. W. C. A.—The Young Women's Christian Association stands for the highest type of womanhood and has for its purpose the development of Christian character among the students of the University.

DeSMET CLUB.—The DeSmet Club is an organization of the Roman Catholic students of the University which meets monthly for study and social purposes.

THE EPISCOPAL CLUB, affiliated with the National Student Council, is composed of persons belonging to or preferring the Episcopal church. It holds monthly meetings for study and entertainment.

THE WESLEY FOUNDATION, established by the Methodist Episcopal church for University students, works thru a council, conducted by and for students, and organized in eight departments.

THE INKWELL is a branch of the Lutheran Student Association of America, whose purpose is to promote acquaintanceships among Lutheran students and to afford them opportunity to consider and act upon their common problems and to strengthen and encourage each other in Christian faith and in loyalty to the church.

CHRISTIAN SCIENCE SOCIETY.—The Christian Science Society of the University of Idaho is composed of students, who have their own officers and organization. Regular meetings are held.

FRATERNAL

FRATERNITIES.—Eight national fraternities have chapters at the University: Kappa Sigma, Phi Delta Theta, Beta Theta Pi, Sigma Nu, Sigma Alpha Epsilon, Phi Gamma Delta, Sigma Chi, and Delta Chi. There are also four local fraternities, the Elwetaz, Beta Chi, Tau Kappa Iota, and Sigma Pi Rho. All are represented in the Inter-Fraternity Council, which unites them to serve the interests of the University and to promote among themselves a spirit of good feeling and cooperation.

SORORITIES.—National sororities which have chapters at the University are Delta Gamma, Gamma Phi Beta, Kappa Kappa Gamma, Kappa Alpha Theta, Pi Beta Phi, and Alpha Chi Omega. There is one local sorority, Pi Sigma Rho. In the Women's Pan-Hellenic Association they are united to promote University and sorority interests and to prescribe rules under which invitations to sorority membership are extended.

SQUARE AND COMPASS.—Idaho Square of Square and Compass, Inc., an intercollegiate fraternity of Masons incorporated under the laws of

Virginia, is open to any Master Mason, in good standing, connected with the University, either as a student or Faculty member.

DELTA MU CHI is a national fraternity of junior Masons which has granted a charter to the *Idaho DeMolay Club*.

HONORARY, PROFESSIONAL, AND DEPARTMENTAL

SIGMA XI.—This is a national honorary scientific fraternity, whose object is to encourage original investigation in science, pure and applied, by meeting for the discussion of scientific subjects; by the publication of such scientific matter as may be deemed desirable; by establishing fraternal relations among investigators in the scientific centers; and by granting the privilege of membership to such students as have, during their college course, given special promise of future achievement.

ALPHA ZETA.—Alpha Zeta is a national honorary agricultural fraternity with chapters in the leading agricultural colleges of the United States. Seniors and Juniors, and Sophomores in the second semester, whose scholarship places them in the upper two-fifths of their classes, are eligible for election.

XI SIGMA PI.—This is a national honorary forestry fraternity which seeks to secure and to maintain a high standard of scholarship in forestry education, to work for the upbuilding of the profession of forestry, and to promote fraternal relations among workers in forest activities.

PHI UPSILON OMICRON.—Phi Upsilon Omicron is a national honorary home economics sorority. Members are elected from among Seniors, Juniors, and second-semester Sophomores who are in the upper two-fifths of their classes in scholarship.

PHI ALPHA DELTA.—This is a national fraternity of the legal profession, which seeks to promote scholarship among its members and to encourage a spirit of fellowship both before and after graduation.

ALPHA MU DELTA.—This is a local organization of Faculty members and students of the College of Law, which is petitioning for a charter from a national professional fraternity.

SIGMA TAU.—This is a national honorary engineering fraternity, with members selected from among the Juniors and Seniors of the College of Engineering and the School of Mines, whose scholarship places them in the upper third of their respective classes.

PI EPSILON SIGMA is an honor society of women students in the School of Education, the eligibility requirement being a grade of 5.333 or higher at the close of the Junior year.

THE ALPHA SOCIETY is composed of Faculty members belonging to the national honorary fraternity, Phi Beta Kappa, and of undergraduates

elected by these Faculty members from among honor students, Juniors and Seniors, who are candidates for the degree of Bachelor of Arts or Bachelor of Science in the College of Letters and Science.

LA SOCIEDAD LITERARIA ESPANOLA is composed of students who maintain an "A" average in Spanish. It promotes interest in the Spanish life, literature, and language. Programs in Spanish are given.

ALPHA EPSILON is an honorary Spanish fraternity for Juniors and Seniors who have obtained at least nine advanced credits in Spanish with an average of "B" or better.

ALPHA KAPPA PSI is a national honorary fraternity of business students limited to Junior and Senior men majoring in Business with "B" or higher grades.

PI BETA GAMMA is an honorary fraternity of business students, limited to Junior and Senior women majoring in Business with "B" or higher grades.

MORTAR BOARD is an honorary society of women of the Senior Class.

THE SILVER LANCE is an organization of Senior men who are above the University average in scholarship and who have shown a tendency to distinguish themselves in college activities.

AGRICULTURAL CLUB.—The students and instructors of the College of Agriculture are organized into a club that holds regular weekly meetings in the form of an agricultural assembly with a program of special reports.

ASSOCIATED ENGINEERS OF THE UNIVERSITY OF IDAHO.—This is a society of the students of all departments of engineering at the University. The constitution provides that regular meetings shall be held once a month with special meetings as called by the president. Talks from visiting engineers, and moving pictures illustrating engineering processes give variety to the regular programs.

ASSOCIATED FORESTERS.—This is an organization of the students and Faculty of the School of Forestry, which holds bi-weekly meetings to hear addresses by men prominent in the forestry profession and the lumber industry, or to review the current literature on forestry and lumbering.

ASSOCIATED MINERS.—The Associated Miners is an organization of the students in the School of Mines, before which papers are read by members of the Faculty, students, visiting mining men, and alumni. It is affiliated with the American Institute of Mining Engineers.

ENGLISH CLUB.—The purpose of the English Club is to foster an interest in literature and composition and in all forms of student activities related to the work of the Department of English. All instructors and major students in the Department are *ex-officio* members, while all stu-

dents writing for the *Argonaut* or the *Gem of the Mountains*, or participating in intercollegiate debates or college dramatics are eligible to membership. Meetings are held once a month, when the program is furnished either by the members of the club or by some invited guest.

HOME ECONOMICS CLUB.—The Home Economics Club is an organization of all students registered in Home Economics. It is affiliated with the American Home Economics Association and the State Federation of Women's Clubs. A delegate is sent by the club to the meeting of the latter each year.

PRE-MEDICAL CLUB.—This is an organization of pre-medical students. The purpose of the club is partly social and partly scientific.

THE BENCH AND BAR ASSOCIATION is an organization of the law students which promotes the extra-curricular interests of the College of Law.

THE ACHILLES SOCIETY is an organization of cadet officers, petitioning for a company of the national fraternity, Scabbard and Blade.

U. OF I. RIFLE CLUB.—The University of Idaho Rifle Club is open to all students. Its purpose is to promote interest and increase efficiency in rifle firing. The club enters a team for the matches given by the National Rifle Association of America.

THE CURTAIN is a dramatic fraternity composed of students and faculty members who have passed certain eligibility requirements in dramatic work at Idaho in acting, playwriting or play-production. It undertakes work corresponding to that of the Drama League by giving a series of reading plays thruout the year, and is also responsible for dramatic production at Commencement.

THE PRESS CLUB is composed of students and others professionally interested in newspaper work.

SIGMA ALPHA IOTA is a national organization of young women specializing in music. A major or minor in music is the eligibility requirement.

THE WINGED HELMET is a literary fraternity which seeks to stimulate interest in literature and composition and to induce students to write for the University literary periodical, the *Blue Bucket*. Membership is attained thru a system of credits for articles or drawings accepted by the magazine.

THETA EPSILON is an honorary debating fraternity, for which the eligibility requirement is participation in intercollegiate debate.

MU BETA BETA is a national fraternity of students who have participated in club work in agriculture and home economics. The Idaho chapter was first known as the *Idaho 4-H Club*.

MUSICAL

THE TREBLE CLEF CLUB is the glee club of the women students. It is under supervision of the Department of Music.

THE UNIVERSITY GLEE CLUB, likewise supervised by the Department of Music, is the men's glee club. It makes an annual extended tour thru Idaho and neighboring states.

THE CHORAL SOCIETY is composed of the membership of both glee clubs and other qualified students and townspeople. Rehearsals, under direction of the Department of Music, are held for the study and rendition of oratorios and mixed choruses.

THE UNIVERSITY ORCHESTRA, which is under supervision of the Department of Music, is open to all students of the University.

THE CADET MILITARY BAND.—The band is part of the Reserve Officers' Training Corps and is under the direction of the Band Leader, U. S. Army.

THE PEP BAND is a student organization which furnishes music at games, rallies, and other University events.

SOCIAL

UNIVERSITY CLUB.—This is a social club whose membership is made up largely of men of the University Faculty. Other men who are graduates of colleges or universities are, however, eligible to membership.

WASHINGTON CLUB.—The Washington Club is composed of students whose homes are in the State of Washington.

TWIN FALLS CLUB.—The Twin Falls Club is composed of students from Twin Falls county.

ASSOCIATED BARBS.—The Associated Barbs is a social organization of non-fraternity men.

THE "I" CLUB is composed of men who have won the official University athletic "I", awarded for participation in intercollegiate contests.

COSMOPOLITAN CLUB.—The Cosmopolitan Club is composed of students from nearly all the nationalities represented in the student body.

PUBLICATIONS

THE UNIVERSITY OF IDAHO BULLETIN.—This is published at least quarterly and consists of the following separate issues:

- (1) The University Catalog.
- (2) The Announcement of the Summer School.

(3) Announcements of the various Colleges, Schools, and Departments of the University.

(4) The Alumni Directory and News Bulletins.

THE NEWS-LETTER.—The University publishes monthly the News-Letter, devoted chiefly to agricultural news and articles. It will be sent free of charge to anyone making application to the News-Letter Committee.

THE AGRICULTURAL EXPERIMENT STATION BULLETINS.—These are full accounts of the results of investigation by the staff of the Agricultural Experiment Station.

THE AGRICULTURAL EXTENSION BULLETINS.—These are published frequently and embody the latest information obtainable upon questions of agriculture and home economics in non-technical language.

THE ANNUAL REPORT OF THE PRESIDENT OF THE BOARD OF REGENTS TO THE GOVERNOR.—The report includes an account of the general affairs and interests of the University for the year.

THE ANNUAL REPORT OF THE EXPERIMENT STATION.—The annual report of the Director is made to the Chief of the Office of Experiment Stations, United States Department of Agriculture, and to the Governor of Idaho, setting forth in detail the results, progress, and plans of the station.

THE UNIVERSITY ARGONAUT.—This is a semi-weekly paper published during the school year by the Associated Students.

THE GEM OF THE MOUNTAINS.—This is an illustrated book published annually by the Associated Students.

THE BLUE BUCKET is a literary quarterly published by the Associated Students under the auspices of the English Club.

THE IDAHO FORESTER is an annual published by the Associated Foresters.

THE IDAHO ENGINEER is published by the students, faculty, and alumni of the College of Engineering.

THE IDAHO ECONOMIC BULLETIN is published by the Department of Economics.

The first of these is the *Journal of the Royal Society of Medicine*, which is published weekly, and contains a large amount of original research and clinical observations.

The second is the *British Medical Journal*, which is published weekly, and contains a large amount of original research and clinical observations.

The third is the *Lancet*, which is published weekly, and contains a large amount of original research and clinical observations.

The fourth is the *Medical Times and Gazette*, which is published weekly, and contains a large amount of original research and clinical observations.

The fifth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The sixth is the *Medical News*, which is published weekly, and contains a large amount of original research and clinical observations.

The seventh is the *Medical Opinion*, which is published weekly, and contains a large amount of original research and clinical observations.

The eighth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The ninth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The tenth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The eleventh is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The twelfth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The thirteenth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The fourteenth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The fifteenth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The sixteenth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The seventeenth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The eighteenth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The nineteenth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

The twentieth is the *Medical Record*, which is published weekly, and contains a large amount of original research and clinical observations.

PART II
THE UNIVERSITY'S SCHOOLS
AND COLLEGES
WITH THEIR CURRICULA

The University's Schools and Colleges With Their Curricula

- I. The College of Letters and Science.
 - (a) Bachelor of Arts Curriculum.
 - (b) Bachelor of Science Curriculum.
 - (c) Curriculum in Home Economics.
 - (d) Curriculum in Pre-Medical Studies.
 - (e) Curriculum in Business.
 - (f) Curriculum in Music.
 - (g) Curriculum in Architecture.
 - (h) Curriculum in Pre-Nursing Studies.
- II. The College of Agriculture.
 - (a) Curriculum for Bachelor of Science in Agriculture. (With Majors in Agricultural Education, Agricultural Engineering, Agronomy, Animal Husbandry, Dairy Husbandry, Horticulture, and General Agriculture.)
 - (b) School of Practical Agriculture.
 - (c) Commercial Course in Dairying.
 - (d) Short Course in Auto Mechanics.
- III. The College of Engineering.
 - (a) Curriculum in Civil Engineering.
 - (b) Curriculum in Electrical Engineering.
 - (c) Curriculum in Mechanical Engineering.
 - (d) Curriculum in Chemical Engineering.
 - (e) Two-year Course in Mechanic Arts.
- IV. The College of Law.
- V. The School of Mines.
 - (a) Curriculum in Geology.
 - (b) Curriculum in Mining.
 - (c) Curriculum in Metallurgy.
- VI. The School of Forestry.
 - (a) Curriculum in General Forestry.
 - (b) Curriculum in Logging Engineering.
 - (c) Curriculum in Grazing.
 - (d) The Ranger Course.
- VII. The School of Education.
 - (a) Curriculum for Bachelor of Science in Education.
- VIII. Graduate Study.
- IX. The Agricultural Experiment Station.
 - (a) Home Station (Moscow).
 - (b) Aberdeen Substation.
 - (c) Caldwell Substation.
 - (d) High-Altitude Substation (Felt).
 - (e) Sandpoint Substation.
- X. University Extension.
 - (a) Agricultural and Home Economics Extension.
 - (b) Non-Resident Instruction.
- XI. The Summer School.

COLLEGE OF LETTERS AND SCIENCE

M. F. ANGELL, Ph.D.....	<i>Dean of the College</i>
J. STANTON McLAUGHLIN, A.M.....	<i>Secretary of the College Faculty</i>
JAY GLOVER ELDRIDGE, Ph.D.....	<i>Chairman of the Curriculum Committee</i>
HAROLD LUCIUS AXTELL, Ph.D....	<i>Chairman of the Scholarship Committee</i>
KATHERINE JENSEN, M.S.....	<i>Director of the Home Economics Curriculum</i>
JERRY EDWARD WODSEDALEK, Ph.D.....	<i>Director of the Pre-Medical and Pre-Nursing Curricula</i>
HARRISON C. DALE, A.M.....	<i>Director of the Business Curriculum</i>
EDWIN ORLO BANGS, B.A.....	<i>Director of the Music Curriculum</i>
RUDOLPH WEAVER, A.I.A.....	<i>In charge of the Architectural Curriculum</i>

For requirements for admission to the College of Letters and Science see page 17 and following.

Courses are offered in the College of Letters and Science† leading to the degrees of Bachelor of Arts, B.A.; Bachelor of Science, B.S.; Bachelor of Science in Home Economics, B.S. (H.Ec.); Bachelor of Science in Pre-Medical Studies, B.S. (Pre-Med.); Bachelor of Science in Business, B.S. (Bus.); Bachelor of Music, B.M.; Bachelor of Architecture, B.Arch.; Bachelor of Science in Pre-Nursing Studies, B.S. (Pre-Nursing); Master of Arts, M.A.; Master of Science, M.S.; Master of Science in Home Economics, M.S. (H.Ec.); Master of Science in Business, M.S. (Bus.); and Master of Architecture, M.Arch.

LABORATORIES AND EQUIPMENT

(For equipment in Bacteriology, see under College of Agriculture; in Geology, see under School of Mines; Psychology, under School of Education).

BOTANY

This department occupies seven rooms on the third floor of the Administration Building. The general laboratory is capable of accommodating over a hundred students in three sections. Two laboratories are devoted to advanced work in morphology, physiology, systematic botany,

†Students who desire to teach in Idaho high schools after graduation must obtain eleven credits in Education in order to secure a State Certificate. Course 5 must be included. Students finding it necessary to teach after two years of college work must have taken ten credits in Education in order to secure an Elementary Certificate. Course 5 must be included.

ecology, and pathology. Facilities also include a store-room, an office, a physiological dark-room, and a photographic dark-room. The department is equipped with compound and dissecting microscopes, a Bausch and Lomb rotary microtome, a freezing microtome, complete apparatus for indoor photography, a Spencer delineascope, an electric paraffin oven, an electric oven, ice chest, autoclave, apparatus for laboratory work in physiology, ecology, and mycology, a working herbarium, preserved material for class use, and a large collection of prepared slides for use in morphology, histology, and ecology.

BUSINESS

Students in the Business Curriculum have available for departmental use the *Wall Street Journal* (daily), the Harvard Economic Service, the Babson Statistical Service, the Brookmire Economic Service, the monthly reports of each of the twelve federal reserve banks, and all the more important government economic and statistical publications, including the *Consular Reports*, *Commerce Reports*, *Monthly Labor Review*, and others.

The accounting laboratory, which is equipped with specially constructed accounting tables, serves as the general office and workroom of the Department. Most of the statistical material is available here.

The equipment in the secretarial field consists of modern filing systems, office appliances and recent-model typewriters. Instruction is given on both the Underwood and Remington makes of machines.

CHEMISTRY

The Department of Chemistry occupies twelve rooms on the second and third floors of the Engineering Building, and a large room in the basement partially equipped for industrial chemistry. Three rooms on the second floor are devoted in part to physical chemistry and research. The large lecture room is on the third floor. The various laboratories are located as follows: Freshman, third floor; Sophomore, third floor; Junior, second floor; Senior, second floor. All rooms are equipped with water, gas, drainage, power-current, reagents, and the necessary apparatus. Special equipment for advanced work and research has been added. The analytical balances include the following makes: Sartorius, Becker (long and short arm, and chainomatic), Bunge, Spoerhase, Volland, and Troemner.

HOME ECONOMICS

The Department is well-equipped for offering the many phases of home economics work. There are two large laboratories in foods, a clothing and textile laboratory, two art rooms, and a practice diningroom, in the Administration Building. The home-nursing courses are given by a trained nurse. A practice cottage is also provided, where the students live for a given period, putting into actual practice the principles of household administration and management.

MUSIC

The Music Department occupies two buildings, Liszt Hall and Liszt Hall Annex. In these buildings are studios for instructors and practice rooms for students. Good pianos are provided for all and are kept in good condition at all times. The Department is well supplied with all other necessary equipment.

PHYSICS

The physical laboratories are located on the first floor and in the basement of the Administration Building. The lecture room is well fitted for a complete course in demonstration lectures. The general laboratory is a well lighted room equipped for the general laboratory course in the Colleges of Letters and Science, and of Engineering. Another room is devoted to electricity and magnetism, with some work in the measurement of high temperatures. There is a fair equipment for standardization work along the lines of mechanics, heat, light, electricity, and magnetism. Room is also available for more advanced students, who desire to pursue a particular line of investigation. In addition to this a shop is maintained for the repair and manufacture of apparatus.

ZOOLOGY

This department occupies three rooms on the third floor of the fire-proof Administration Building. The large new laboratory in the north-east corner of the building is especially adapted to detailed microscopic work in the advanced courses. Among the more important items of equipment are eighty compound microscopes, eighty dissecting microscopes, a Bausch and Lomb binocular microscope with fluorite objective, two Zeiss binocular dissecting microscopes with Porro prisms, a Bausch and Lomb rotary microtome, and a universal balopticon with large microscope. The collections of the department are extensive in fishes, marine invertebrates, skeletons, and especially in insects; sufficient material in other groups is at hand to illustrate the more essential features of each. There are large collections of slides in histology, cytology, and embryology.

BACHELOR OF ARTS CURRICULUM

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1 Composition	3	Eng. 2: Composition	3
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course	2	P.E. 2a-2b. Freshman Course	2
*Social Science	3	*Social Science	3
Foreign Language	3-5	Foreign Language	3-5
**Science or Second Language....	3-5	**Science or Second Language....	3-5
Elective	0-4	Elective	0-4
Total	14-18	Total	14-18

*Social Science includes Hist. 1-2, Hist. 9-10, Hist. 13-14, and Econ. 21-22.

**Science includes Bacteriology, Botany, Chemistry, Geology, Mathematics, Physics, Psychology, and Zoology. If not begun in the Freshman year, science must be begun in the Sophomore year. Students wishing to major in Music may substitute Music for the science or second language in the Freshman year and for an elective in the Sophomore year.

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Devel. of Eng. Lit.	3	Eng. 12. Devel. of Eng. Lit.	3
Foreign Language (Intermediate or Scientific)	3-4	Foreign Language (Intermediate or Scientific)	3-4
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
**Science or Second Language ...	3-5	**Science or Second Language ...	3-5
†Elective	3-8	†Elective	3-8
Total.....	14-18	Total.....	14-18

BACHELOR OF SCIENCE CURRICULUM

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Foreign Language	3-5	Foreign Language	3-5
Two from the following:		Two from the following:	
a. Chem. 1. Gen. Chem.		a. Chem. 2. Gen. Chem.	
b. Math. 1. Fresh. Math.		b. Math. 2. Fresh. Math.	
c. Bot. 1 or Zool. 1	8	c. Bot. 2 or Zool. 2	8
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course	2	P.E. 2a-2b. Freshman Course	2
Total.....	16-18	Total.....	16-18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11, 13, or 15. Literature.....	2-3	Eng. 12, 14, or 16. Literature	2-3
*Foreign Language (Intermediate or Scientific)	3-4	*Foreign Language (Intermediate or Scientific)	3-4
†Phys. 1. General Physics	4-5	†Phys. 2. General Physics	4-5
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
†Elective	2-8	†Elective	2-8
Total.....	14-18	Total.....	14-18

JUNIOR AND SENIOR YEARS

Of B.A. and B.S. Curricula

MAJOR STUDY.—At the beginning of the Junior year the student must elect a major and a related minor subject. A major consists of from sixteen to twenty credits of advanced work in one department; a related minor consists of from six to ten credits of advanced work in another department, the work of which supplements the major. Requirements for the majors in the several departments are presented beginning on page 47.

A major for the degree of Bachelor of Arts may at present be

*A second year of Foreign Language is not required if Intermediate or Scientific was completed the Freshman year.

**See footnote ** on page 45.

†Unless both Chemistry and Mathematics were taken both semesters of the previous year.

†Electives should be chosen with due regard for the Major. (See statement concerning Majors and prerequisites.) If a grade of C or D was made in Eng. 1-2 in 1923-1924 or earlier or a grade of D was made after 1923-1924, Eng. 3 (Supplementary Composition, 2 credits) is required.

selected in (a) Economics, (b) Political Science, (c) English, (d) French, (e) German, (f) Greek, (g) History, (h) Latin, (i) Law, (j) Music, (k) Philosophy, (l) Sociology, or (m) Spanish.

A major for the degree of Bachelor of Science may at present be selected in (a) Bacteriology, (b) Botany, (c) Chemistry, (d) Geology, (e) Mathematics, (f) Physics, (g) Psychology, or (h) Zoology.

NATURAL AND SOCIAL SCIENCES.—For the degree of Bachelor of Arts *fourteen* credits are required in the Natural Sciences (including Mathematics), *eight* credits of which must be in one laboratory year-course, and *eighteen* credits in the Social Sciences, the latter specified as follows: *six* credits in History; *six* in Economics, Political Science, or Sociology; and *six* in either Greek and Roman Civilization (Hist. 13-14) or Philosophy.

For the degree of Bachelor of Science *twelve* credits are required in the Social Sciences, and *eight* in Biological Science before the Senior year (Biological Science to include Bacteriology, Botany, Psychology, and Zoology).

ADVANCED WORK.—For either the degree of Bachelor of Arts or Bachelor of Science a minimum of thirty-six credits in advanced work (courses numbered from 100 to 200) must be presented.

FREE ELECTIVES.—In addition to the above requirements, a sufficient number of free electives must be taken to complete the total number of 128 credit-hours required for the degree.

MAJOR REQUIREMENTS

Major requirements of the several departments, under the provisions outlined above for candidates for the B.A. or B.S. degree, are as follows:

Bacteriology		Botany	
PREREQUISITE		PREREQUISITE	
General Bacteriology (Bact. 101).		General Botany (Bot. 1-2)	
MAJOR		MAJOR	
Sixteen to twenty credits from the following:		At least twenty credits in courses farther advanced than Botany 1-2, chosen with the approval of the head of the Department.	
	Credits		
1. Pathogenic Bacteria (Bact. 104)	3		
2. Bacteriological Technique (Bact. 105)	2		
3. Dairy Bacteriology (Bact. 107)	3		
4. Soil Bacteriology (Bact. 108)	3		
5. Immunity (Bact. 109)	3		
6. Serology (Bact. 110)	3		
7. Research. Special Problems and Methods	3-10		
8. Seminar (Bact. 113-114)	1		
MINOR		MINORS	
Six to ten credits of advanced work in Chemistry, Botany, Plant Pathology, or Zoology. Students interested in food bacteriology may offer Home Economics courses for a minor.		A minor may be selected from advanced courses in related subjects upon consultation with the head of the Department.	
		Chemistry	
		PREREQUISITES	
		1. General Chemistry (Chem. 1-2)	
		2. Qualitative Analysis (Chem. 3)	
		3. Quantitative Analysis (Chem. 4)	
		MAJOR (20 credits)	
			Credits
		1. Organic Chemistry (Chem. 101-102)	8

2. Advanced Quantitative Analysis (Chem. 103) 4
3. Special Quantitative Analysis (Chem. 104) 2
4. Physical Chemistry (Chem. 105-106) 6
5. Biochemistry (Chem. 111-112) ... 8
6. Industrial Chemistry (Chem. 107-108) 6

MINORS

- a. *In Mathematics.* Six to ten credits in courses 21-22, 121-122, 221-222.
- b. *In Physics.* Six to ten credits in courses above first year college physics.

Economics**1. In Economics****MAJOR**

From sixteen to twenty credits are required, chosen with the approval of the head of the Department. Courses 1-2 or 11-12 are prerequisite.

MINORS

Six to ten credits in History, Law, Political Science, Education, English, or Philosophy selected with the approval of the Department.

2. In Political Science**MAJOR**

From sixteen to twenty credits are required, chosen with the approval of the head of the Department. Courses 21-22 are prerequisite.

MINORS

Six to ten credits in History, Law, Economics, Education, English or Philosophy selected with the approval of the Department.

3. In Sociology**PREREQUISITES**

Econ. 1-2, 21-22.

MAJOR

Required:

- | | Credits |
|--|---------|
| 1. Principles of Sociology (Econ. 141-142) | 6 |
| 2. The Immigrant (Econ. 144) | 3 |
| 3. Charities and Corrections (Econ. 143) | 3 |

Selections from the following to make eight credits:

- At least three credits from this group:
1. Labor Problems (Econ. 111) 3
 2. Statistics (Econ. 113) 3
 3. Rural Sociology (Econ. 145) 3
 4. Hygiene and Sanitation (Bact. 8).. 3
- Remainder from this group:
1. Heredity and Eugenics (Zool. 8) 2
 2. Playground Supervision (P.E. 5) 2
 3. Festivals and Pageantry (P.E. 6) 2
 4. Psychology of the Exceptional Individual (Psych. 111) 3
 5. Rural Life and Education (Agr. Ed. 151) 3

MINORS

Six to ten credits in History, Law,

Economics, Education, English, Philosophy, Science, or Physical Education.

NOTE: For requirements for the degree Bachelor of Science in Business, and modifications of that curriculum for the B.A. degree, see pages 54 to 58.

English**PREREQUISITES**

1. English Composition (Eng. 1-2)
2. Development of English Literature (Eng. 11-12)

MAJOR (20 credits)

- | | Credits |
|--|---------|
| 1. Old English (Eng. 131) | 3 |
| 2. Middle English and Chaucer (Eng. 132) | 3 |
| 3. Dramatic Influences upon Shakespeare (Eng. 141) | 3 |
| 4. Shakespeare (Eng. 142) | 3 |
| Choice of the following, with the approval of the head of the department, to complete the Major: | |
| 5. Elizabethan Literature (Eng. 111) 2 | |
| 6. Shakespeare to Dryden (Eng. 112) | 2 |
| 7. Restoration and Queen Anne Ages (Eng. 113-114) | 4 |
| 8. Romantic Prose and Poetry (Eng. 115-116) | 4 |
| 9. Victorian Prose and Poetry (Eng. 117-118) | 4 |
| 10. American Literature (Eng. 119-120) | 4 |
| 11. News Editing (Eng. 101-102) 2 or 4 | |
| 12. Literary Composition (Eng. 105-106) | 4 |
| 13. Elements of the English Language (Eng. 133-134) | 4 |
| 14. The Novel (Eng. 121-122) | 4 |
| 15. Contemporary Literature (Eng. 123-124) | 4 |
| 16. Advanced Play Production (Eng. 143-144) | 6 |
| 17. Folk Literature (Eng. 201) | 3 |
| 18. English Literary Criticism (Eng. 202) | 3 |

NOTE: For two of the specific courses required in the Major certain substitutions may be allowed in the case of students who are out of college the year English 131 and English 132 are given and also for those who take a sub-Major in Public Speaking, Dramatics, or Journalism.

MINORS

Six to ten credits in courses beyond those required for the B.A. degree in History, Philosophy, Sociology, Political Science, German, French, Spanish, Greek, or Latin. Courses chosen for a minor must be approved by the head of the Department.

French**PREREQUISITES**

1. Elementary French (Fr. 1-2)
2. Composition, Grammar, and Conversation (Fr. 11-12)
3. Intermediate French (Fr. 13-14)

MAJOR

1. One of the following:

	Credits
a. The Novel of the 19th Century (Fr. 131-132)	6

- b. The Drama of the 19th Century (Fr. 133-134) 6
2. The 17th Century Drama (Fr. 141-142) 6
3. Two of the following.
 - a. A Survey of French Literature (Fr. 121-122) 4
 - b. The 18th Century (Fr. 143-144) 4
 - c. Contemporary Literature (Fr. 145-146) 4
 - d. (1) Teachers' Course in French (Fr. 191) 2 Cr.
 - (2) Advanced Composition (Fr. 112) 2 Cr. 4

MINORS

Six to ten credits in advanced courses in Spanish, Latin, English, German, or History.

Geology**PREREQUISITE**

- | | Credits |
|------------------------------------|---------|
| General Geology (Geol. 1) | 4 |
| Historical Geology (Geol. 2) | 4 |

MAJOR

- | | |
|--------------------------------------|---|
| General Geography (Geol. 7-8) | 4 |
| Mineralogy (Geol. 103-104) | 4 |
| Mineral Resources (Geol. 23-24) | 4 |
| Economic Geology (Geol. 109-110) ... | 6 |
| Petrology (Geol. 115) | 2 |

MINOR

- | | |
|-----------------------------------|---|
| General Zoology (Zool. 1-2) | 8 |
| or | |
| Surveying (C.E. 3-4) | 7 |

German**PREREQUISITES**

1. Elementary German (Ger. 1-2, or the equivalent)
2. Composition and Conversation (Ger. 11-12)
3. Intermediate German (Ger. 13-14)

MAJOR

- | | Credits |
|--|---------|
| 1. One of the following: <ol style="list-style-type: none"> a. The Modern Novel (Ger. 131-132) b. The Modern Drama (Ger. 133-134) | 4 |
| 2. Schiller (Ger. 141-142) | 6 |
| 3. One of the following: <ol style="list-style-type: none"> a. Survey of German Literature (Ger. 121-122) b. Goethe (Ger. 143-144) c. Middle High German (Ger. 201-202) | 6 |
| 4. Faust (Ger. 146) | 3 |

MINORS

Six to ten credits in advanced courses in French, Latin, Greek, English or History.

Greek**PREREQUISITES**

Courses 1, 2, 3, 4, or two years of elementary Greek.

MAJOR

- | | Credits |
|------------------------|---------|
| 1. Plato (Gr. 5) | 3 |

2. Greek Tragedy (Gr. 6) 3
3. Ten credits in translation courses in the Greek historians, philosophers, or lyric and dramatic poets, chosen with the approval of the head of the Department.

MINORS

From six to ten credits in Latin, German, French, Spanish, History, or Philosophy.

History**PREREQUISITE**

Hist. 1-2 (or 13-14) and 9-10.

MAJOR

Advanced courses approved by the head of the Department, amounting to at least sixteen (and not more than twenty) credits.

MINOR

Advanced courses amounting to at least six (and not more than ten) credits in any one of the following departments: Economics, Education, English, Law, Foreign Language, Philosophy.

Latin**PREREQUISITE**

1. Two years of high-school Latin.
2. Cicero and Vergil (Lat. 5-6) or the third year of high-school Latin.

MAJOR

- | | Credits |
|---|---------|
| 1. Any four of Courses 7, 8, 11, 12, 101, 102 | 12 |
| 2. Prose Composition (Lat. 9-10).... | 4 |
| 3. History of Latin Literature (Lat. 103) | 2 |
| 4. Teachers' Course (Lat. 104) | 2 |

MINORS

Six to ten credits in advanced courses in Greek, English, Modern Languages, or History.

Law**MAJOR**

- | | |
|---|---|
| 1. Contracts I (Law 101) | 3 |
| 2. Contracts II (Law 102) | 3 |
| 3. Agency (Law 104) | 4 |
| 4. Property I (Law 111) | 2 |
| 5. Property II (Law 112) | 3 |
| 6. Mining Law (Law 216) | 3 |
| 7. Irrigation (Law 228) | 2 |
| 8. Public Utilities (Law 217) | 3 |
| 9. Private Corporations (Law 235-236) | 4 |
| 10. Municipal Corporations (Law 214) 2 | |
| 11. Constitutional Law (Law 219-220) | 4 |

MINORS

Six to ten credits in any of the following departments: Economics, Philosophy, History, Psychology, Sociology.

(For the LL.B. curriculum see under College of Law.)

Mathematics**PREREQUISITE**

1. Freshman Mathematics (Math. 1-2, or 11-12)

MAJOR (17 credits)

- | | Credits |
|---|---------|
| 1. Calculus (Math. 21-22) | 8 |
| Nine credits from the following: | |
| 2. Engineering Mathematics (Math. 101) | 3 |
| 3. Higher Geometry (Math. 111-112) | 6 |
| 4. Advanced Calculus (Math 121-122) | 6 |
| 5. Differential Equations (Math. 221-222) | 6 |

MINOR

Six to ten credits of advanced work in physics or in engineering.

Music (Applied)**PREREQUISITE**

- | | Credits |
|---|---------|
| 1. Freshman and Sophomore Courses in Applied Music. | |
| 2. Sight Singing and Ear Training (Mus. 1-2) | 4 |
| 3. Harmony (Mus. 3-4) | 4 |
| 4. Harmony (Mus. 5-6) | 4 |

MAJOR

1. Applied Music (including Freshman and Sophomore courses) minimum of18
2. Either Counterpoint (Mus. 105-106) or Harmonic Analysis (Mus. 103-104)
3. History and Appreciation of Music (Mus. 101-102)

MINOR

Six credits in advanced courses in either French or German.

Philosophy**PREREQUISITE**

- | | Credits |
|--|---------|
| History of Ancient and Modern Philosophy (Phil. 1-2) | 6 |

MAJOR

- Sixteen credits from the following:
1. Ethics (Phil. 101-102)
 2. Logic (Phil. 103)
 3. Contemporary Philosophy (Phil. 104)
 4. The State and the Individual (Phil. 105)
 5. Philosophy of Religion (Phil. 106)
 6. Philosophy in Literature (Phil. 107)
 7. Plato (Phil. 108)

MINOR

Eight to ten credits of advanced work in some related subject.

Physics**PREREQUISITE**

1. General Physics (Phys. 1-2, or 11-12)

MAJOR

Sixteen credits from the following:

- | | Credits |
|------------------------------------|---------|
| 1. Advanced Heat | 4 |
| 2. Advanced Light | 4 |
| 3. Analytic Mechanics | 6 |
| 4. Electricity and Magnetism | 4 |
| 5. Electrical Measurements | 2 |
| 6. Electron Theory | 2 |

MINORS

- a. In Mathematics
 1. Differential and Integral Calculus
 2. Differential Equations
- b. In Chemistry
 - Theoretical and Physical Chemistry... ..
- c. In Electrical Engineering
 - Electrical Engineering

Political Science

See under Economics.

Psychology**PREREQUISITES**

General Psychology (Psych. 1).

MAJOR

A major of sixteen to twenty credits may be selected from any of the courses given in this Department, provided they be courses in advance of Psychology 1.

MINOR

A minor may be selected from advanced courses in related subjects upon consultation with the head of the Department.

Sociology

See under Economics.

Spanish**PREREQUISITES**

1. Elementary Spanish (Spanish 1-2).
2. Composition and Conversation (Span. 11-12)
3. Intermediate Spanish (Spanish 3-4)

MAJOR (17 or 18 credits)

- | | Credits |
|--|---------|
| 1. History of Spanish Literature (Span. 121-122) | 4 |
| 2. One of the following courses: | |
| a. The Nineteenth Century Drama (Span. 131-132) | 6 |
| b. The Nineteenth Century Novel (Span. 133-134) | 6 |
| 3. Two of the following: | |
| a. The Golden Age (Span. 141-142) | 4 |
| b. 18th Century Literature (Span. 143-144) | 4 |
| c. Spanish Lyrics (Span. 145-146) | 4 |
| d. Contemporary Literature (Span. 147-148) | 4 |
| e. (1) Teachers' Course in Spanish (Span. 191) 2 Cr. | |
| (2) Advanced Syntax (Span. 112) 3 Cr. | 5 |

MINORS

Six to ten credits in advanced courses in French, Latin, History, or English.

Zoology and Entomology**PREREQUISITE**

Course	Credits
General Zoology (Zool. 1-2)	3-4

MAJOR I. IN ZOOLOGY

Fifteen to nineteen credits chosen from the following:

1. Embryology (Zool. 113)	4
2. Histology and Organology (Zool. 114)	5
3. Cytology (Zool. 115-116)	10
4. Comparative Anatomy of Vertebrates (Zool. 4)	4

MINORS

Eight to ten credits in advanced courses in Entomology, Bacteriology, Botany, Chemistry, Geology, or Psychology.

MAJOR II. IN ENTOMOLOGY

1. Advanced Entomology (Zool. 269-270) 4
2. Research (Zool. 201-202) ...12 to 16

MINORS

Advanced courses in Zoology, Horticulture, Agronomy, Forestry, or Plant Pathology8-10

HOME ECONOMICS CURRICULUM

This curriculum conforms to the requirements of the Vocational Educational Act passed by Congress in 1917, relative to a training course for teachers of home economics.

Students who complete eleven credits in Education in the Home Economics Course and who pass examinations in Idaho Manual and School Law and Idaho Civil Government will receive a state five-year high-school certificate.

The student may major either in General Home Economics or in Food and Nutrition.

General Home Economics**FRESHMAN YEAR**

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition ...	3	Eng. 2. English Composition ...	3
*French, German or Elective...	3-5	*French, German or Elective...	3-5
H.Ec. 23. Elementary Clothing...	2	H.Ec. 24. Elementary Clothing...	2
H.Ec. 61. Art Structure	2	H.Ec. 62. Art Structure	2
P.E. 1a. Physical Training	1	P.E. 2a. Physical Training	1
Zool. 1. General Zoology	3	Zool. 6. Physiology	3
		H.Ec. 26. Textiles	2
Total.....	14-16	Total.....	16-18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. Elective in Literature	2	Eng. Elective in Literature	2
*French, German or Elective ...	3	*French, German or Elective ...	3
Chem. 1. General Chemistry ...	4	Chem. 2. General Chemistry ...	4
Ed. 7. Principles of Teaching...	3	H.Ec. 66. Costume and Design...	2
H.Ec. 63. Freehand Sketching...	2	H.Ec. 4. Food Preparation	3
P.E. 3. Physical Training	1	P.E. 4. Physical Training	1
Elective	2	Elective	2
Total.....	17	Total.....	17

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
H.Ec. 5. Food Preparation	3	Chem. 14. Carbon Compounds...	3
Bact. 101. General Bacteriology..	4	H.Ec. 102. Marketing and Serving	3
H.Ec. 131. Home Management...	3	H.Ec. 142. Interior Decoration...	2
Econ. 141. Sociology	3	H.Ec. 134. Home Nursing	2
Elective	4	H.Ec. 140. House Construction..	2
		H.Ec. 151. Special Methods.....	3
		†Elective	3
Total.....	17	Total.....	18

*To be determined in consultation with the head of the Department.

†Econ. 142, Sociology, is suggested as an elective.

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
H.Ec. 103. Dietetics	3	H.Ec. 104. Dietetics	3
H.Ec. 105. Advanced Clothing...	2	H.Ec. 106. Dressmaking and	2
H.Ec. 133. Practice Cottage ...	2	Millinery	2
H.Ec. 157. Observation Teaching	5	Elective	11
Home Economics	5		
H.Ec. 153. Methods	2		
Total	14	Total	16

Food and Nutrition

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition....	3	Eng. 2. English Composition....	3
*French, German or Elective...	3-5	*French, German or Elective...	3-5
Chem. 1. General Chemistry....	4	Chem. 2. General Chemistry ...	4
H.Ec. 23. Elementary Clothing..	2	H.Ec. 24. Elementary Clothing..	2
H.Ec. 61. Art Structure	2	H.Ec. 62. Art Structure	2
P.E. 1a. Physical Training	1	P.E. 2a. Physical Training	1
Total	15-17	Total	16-17

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Ed. 7. Principles of Teaching...	2	H.Ec. 26. Textiles	2
Eng. Elective in Literature	2	Eng. Elective in Literature	2
*French, German or Elective	3	*French, German or Elective	3
Chem. 9. Elements of Analysis...	2	Chem. 10. Elements of Analysis	2
Zool. 1. General Zoology	3	Zool. 6. Physiology	3
H.Ec. 63. Freehand Sketching...	2	H.Ec. 4. Food Preparation	3
P.E. 3. Physical Training	1	P.E. 4. Physical Training	1
Total	15	Total	16

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 15. Organic Chemistry....	3	H.Ec. 102. Marketing and Serving	3
H.Ec. 5. Food Preparation	3	H.Ec. 66. Costume and Design..	2
Econ. 141. Prin. of Sociology....	3	Chem. 112. Biochemistry	4
Bact. 101. General Bacteriology..	4	H.Ec. 140. House Construction..	3
H.Ec. 131. Home Management..	2	†Elective	5
Total	15	Total	17

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
H.Ec. 103. Dietetics	3	H.Ec. 104. Dietetics	3
H.Ec. 105. Advanced Clothing...	2	H.Ec. 142. Interior Decoration...	2
H.Ec. 133. Practice Cottage ...	2	H.Ec. 106. Dressmaking and	2
H.Ec. 157. Obs. and Teach. in	5	Millinery	2
H.Ec.	5	H.Ec. 134. Home Nursing	2
Elective	3	Elective	5
		H. Ec. 151. Special Methods	3
Total	15	Total	17

THE PRE-MEDICAL CURRICULUM

The Pre-Medical Curriculum is intended primarily for students who wish to prepare themselves for the study of medicine and allied professions. The course is so outlined that the student can arrange to take four, three, or two years of work, according to the nature of the

*To be determined in consultation with the head of the Department.

†Econ. 142, Sociology, is suggested as an elective.

entrance requirements of the medical school which he contemplates entering.

The fourth year is elective, its completion leading to the B.S. Pre-Medical degree. To students who desire to enter a medical school after finishing the first three years of this curriculum the B.S. degree will be granted by the University of Idaho on completion of the first year of medical study at an approved college of medicine, in lieu of the fourth year at Idaho.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition ...	3	Eng. 2. English Composition ...	3
German or French	3-5	German or French	3-5
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
Zool. 1. General Zoology	4	Zool. 2. General Zoology	4
Mil. 1. Freshman Military	2	Mil. 2. Freshman Military	2
Total.....	16-18	Total.....	16-18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Scient. German or Scient. French 3		Scient. German or Scient. French 3	
***Chem. 3. Qualitative Anal... 4		***Chem. 4. Quantitative Anal... 4	
or		or	
Chem. 11. Elements of Analysis 2		Chem. 12. Elements of Analysis 2	
Math. 1. Freshman Mathematics 4		Zool. 4. Comparative Anatomy of Vertebrates	4
Mil. 3. Sophomore Military 2		Mil. 4. Sophomore Military 2	
*Elective	2-5	*Elective	2-5
Total.....	18	Total.....	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 1. General Physics	4	Eng. 5. Advanced Composition... 3	
Chem. 101. Organic Chemistry.. 5		Phys. 2. General Physics	4
Zool. 113. Embryology	4	Chem. 102. Organic Chemistry.. 3	
**Elective	3-5	Bact. 101. General Bacteriology. 4	
Total.....	16-18	**Elective	2-4
		Total.....	16-18

Those who desire to stay at the University for the fourth year are advised to take the following suggested electives. This will complete the requirements for the B.S. Pre-Medical degree.

†SENIOR YEAR

FIRST SEMESTER Suggested Electives		SECOND SEMESTER Suggested Electives	
Course	Credits	Course	Credits
Zool. 115. Cytology	5	Zool. 116. Cytology	5
Chem. 111. Biochemistry	4	Chem. 112. Biochemistry	4
Social Science	3	Social Science	3
‡Other Electives	6	‡Other Electives	6
Total.....	18	Total.....	18

(Other suggested electives: Heredity and Eugenics, Histology, Psychology, Social Science, Medical Terminology, Pathogenic Bacteria.)

*Elementary Physics must be taken here unless one unit of Physics is presented for admission.

**Latin 1 and 2 must be taken here unless one unit of Latin is presented for admission.

***From the standpoint of adequate preparation for Biochemistry or Physiological Chemistry (required in Medical Schools) Chem. 3 and 4 are preferable to Chem. 11 and 12.

†The B.S. degree will be granted by the University of Idaho on completion of the first year of medical study at an approved college of medicine in lieu of the Senior year.

‡Students who desire to teach in Idaho high schools after graduation must have eleven credits in Education in order to secure a state certificate.

BUSINESS CURRICULUM

Offering Majors in General Business, Accounting, Banking, Secretarial Science, and Extractive Industries.

The degree of Bachelor of Science in Business, B.S. (Bus.), is conferred on all students completing any one of the five majors in the Business Curriculum. The several majors are so arranged, however, that with a slight adjustment of courses students preferring the A.B. degree may receive the same, altho pursuing the regular business courses. In the School of Education a curriculum is offered for teachers of commercial subjects leading to the degree Bachelor of Science in Education. The general requirements for the degree of Bachelor of Science in Business are as follows:

1. *English 13 credits
2. Military or Physical Education 6-8 credits
3. Science 13 credits
4. **Foreign Language 6-10 credits
5. Philosophy, European History, or Ancient Civilization 6 credits
6. A Minor 6-10 credits

The minor may be in one of the applied sciences, Agriculture, Mining, Forestry, Education and the like, or in Law, or in an approved field of learning offered in the College of Letters and Science.

7. The courses in Business and related subjects prescribed for the several majors.

For the Bachelor of Arts degree, students must fulfil the following additional requirements:

1. Another year of the same foreign language.
2. An additional credit in Science.
3. An additional semester of the same laboratory science.
4. Three additional credits in History.
5. Six credits in either Greek and Roman Civilization or Philosophy, if not elected in the Business Curriculum.

In the Business Curriculum leading to the degree of Bachelor of Science in Business, the requirements in the Freshman year are identical for all the five majors as follows:

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 15. Business Ethics	½	Econ. 16. Business Ethics	½
Eng. 1. Composition	3	Eng. 2. Composition	3
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course	2	P.E. 2a-2b. Freshman Course	2
Geol. 21. Economic Geography	3	Hist. 6. Economic History	3
Econ. 21. American Government....	3	Econ. 22. American Government....	3
Elective and Gen. Reqmnts.	3-6	Elective and Gen. Reqmnts.	3-6
Total.....	14½-18½	Total.....	14½-18½

*Nine credits in Composition and four in Literature.

**One year of a foreign language is required. This requirement may be fulfilled by pursuing in college a three-credit course thruout the year in the foreign language offered for admission, or, if students prefer to begin a new language, they must take a total of ten credits, since all beginning languages are five-credit courses.

In the succeeding years, differentiation is provided for as follows:

General Business

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 15. Great Books	2	Eng. 16. Great Books	2
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Econ. 11. Prin. of Economics	4	Econ. 12. Prin. of Economics	4
Econ. 81. Accounting	3	Econ. 82. Accounting	3
Math. 1. Freshman Mathematics.....	4	Math. 14. Mathematics of Finance	3
Elective and Gen. Reqmnts.	0- 4	Elective and Gen. Reqmnts.	1- 8
Total.....	14-18	Total.....	14-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 163. Bus. Administration.....	3	Econ. 164. Corporation Finance	3
Econ. 105. Money and Prices	3	Econ. 106. Banking	3
Eng. 5. Composition	3	Psych. 1. Prin. of Psychology	4
Econ. 165. Business Law	2	Econ. 166. Business Law	2
Elective and Gen. Reqmnts.	3- 7	Elective and Gen. Reqmnts.	2- 6
Total.....	14-18	Total.....	14-18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 167. Govt. Regul. of Bus.....	2	Econ. 168. Govt. Regul. of Bus.....	2
Econ. 113. Statistics	3	*Professional Courses	12
*Professional Courses	6	Elective and Gen. Reqmnts.	0- 4
Elective and Gen. Reqmnts.	3- 7		
Total.....	14-18	Total.....	14-18

*Professional courses offered, 1925-26, from which selection may be made in the Senior year of the major in General Business include the following:

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 111. Labor Problems	3	Econ. 116. Advanced Banking.....	2
Econ. 125. Comparative Govts.	3	Econ. 142. Sociology	3
Econ. 141. Sociology	3	Econ. 168. Transportation	3
Econ. 169. Marketing	3	Econ. 170. Agricultural Co-op.	3
Econ. 171. Business Conditions	3	Econ. 172. Prin. of Foreign Trade	3
Econ. 177. Investments	3	Econ. 174. Statistical Problems.....	2
Econ. 181. Advanced Accounting.....	3	Econ. 178. Insurance	3
Econ. 187. Income Tax Accounting.....	2	Econ. 182. Advanced Accounting.....	3
Econ. 263. Business Forecasting.....	3	Econ. 188. Income Tax Accounting	2

Accounting

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 15. Great Books	2	Eng. 16. Great Books	2
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Econ. 11. Prin. of Economics	4	Econ. 12. Prin. of Economics	4
Econ. 81. Accounting	3	Econ. 82. Accounting	3
Math. 1. Freshman Mathematics.....	4	Math. 14. Mathematics of Finance	3
Elective and Gen. Reqmnts.	0- 4	Elective and Gen. Reqmnts.	1- 8
Total.....	14-18	Total.....	14-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 181. Advanced Accounting..	3	Econ. 182. Advanced Accounting..	3
Econ. 105. Money and Prices.....	3	Econ. 106. Credit and Banking.....	3
Econ. 163. Business Administration	3	Econ. 164. Corporation Finance.....	3
Econ. 113. Statistics	3	*Professional Courses	3
Eng. 5. Composition	3	Elective and Gen. Reqmnts.....	2- 6
Elective and Gen. Reqmnts.	0- 3		
Total.....	15-18	Total.....	14-18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 183. Cert. Pub. Accounting..	3	Econ. 184. Auditing	3
Econ. 185. Cost Accounting.....	2	Econ. 186. Cost Accounting.....	2
Econ. 187. Fed. Income Tax Acct.	2	Econ. 188. Fed. Income Tax Acct.	2
Econ. 167. Govt. Regul. of Bus.....	2	Econ. 168. Govt. Regul. of Bus.....	2
Econ. 165. Business Law	2	Econ. 166. Business Law	2
*Professional Courses	4- 7	*Professional Courses	4- 7
Total.....	15-18	Total.....	15-18

*Professional courses, offered 1925-26, from which selection may be made in the Junior and Senior years of the Accounting major include the following:

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 111. Labor Problems	3	Econ. 108. Transportation	3
Econ. 169. Marketing	3	Econ. 110. Public Finance	3
Econ. 171. Business Conditions.....	3	Econ. 170. Agricultural Co-op.	3
Econ. 177. Investments	3	Econ. 172. Prin. of Foreign Trade	3
Econ. 263. Business Forecasting.....	3	Econ. 174. Statistical Problems.....	2
Law 103. Contracts	3	Econ. 178. Insurance	3
C.E. 129. Valuations and Rates.....	2	Law 104. Contracts	4
		Law 102. Agency	4
		Law 210. Negotiable Instruments....	3
		Law 218. Public Utilities	3

Banking

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 15. Great Books	2	Eng. 16. Great Books	2
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Econ. 11. Prin. of Economics	4	Econ. 12. Prin. of Economics	4
Econ. 81. Accounting	3	Econ. 82. Accounting	3
Math. 1. Freshman Mathematics..	4	Math. 14. Mathematics of Finance	3
Elective and Gen. Reqmnts.	0- 4	Elective and Gen. Reqmnts.	1- 8
Total.....	14-18	Total.....	14-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 163. Bus. Administration.....	3	Econ. 164. Corporation Finance.....	3
Econ. 165. Business Law	2	Econ. 166. Business Law	2
Econ. 105. Money and Prices.....	3	Econ. 106. Credit and Banking.....	3
Econ. 187. Income Tax Acct.....	2	Econ. 188. Income Tax Acct.....	2
Eng. 5. Composition	3	Psych. 1. Prin. of Psychology.....	4
Elective and Gen. Reqmnts.	1- 5	Elective and Gen. Reqmnts.....	0- 4
Total.....	14-18	Total.....	14-18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 167. Govt. Regul. of Bus.....	2	Econ. 168. Govt. Regul. of Bus.....	2
Econ. 113. Statistics	3	Econ. 116. Advanced Banking.....	2
Econ. 177. Investments	3	*Professional Courses	7
*Professional Courses	3	Elective and Gen. Reqmnts.....	3- 7
Elective and Gen. Reqmnts.	3- 7		
Total.....	14-18	Total.....	14-18

*Professional courses, offered 1925-26, from which selection may be made in the Senior year of the Banking major, include the following:

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 169. Marketing	3	Econ. 110. Public Finance	3
Econ. 171. Business Conditions.....	3	Econ. 170. Agricultural Co-op.....	3
Econ. 177. Investments	3	Econ. 172. Foreign Trade	3
Econ. 181. Advanced Accounting....	3	Econ. 174. Statistical Problems.....	2
Econ. 263. Business Forecasting....	3	Econ. 178. Insurance	3
Law 103. Contracts	3	Econ. 182. Advanced Accounting....	3
Law 111. Property	2	Law 104. Contracts	3
		Law 112. Property	3
		Law 210. Negotiable Instruments..	3

Secretarial Course

NOTE.—Students in the Secretarial course should (if possible) elect Stenography and Typewriting in the Freshman year. Students selecting secretarial work as their major must have two consecutive years of a foreign language (12-16 credits).

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 15. Great Books	3	Eng. 16. Great Books	3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Econ. 11. Prin. of Economics	4	Econ. 12. Prin. of Economics	4
Econ. 67 or 71. Dictation	3	Econ. 68 or 72. Dictation	3
Elective and Gen. Reqmnts.	3- 7	Elective and Gen. Reqmnts.	3- 7
Total.....	14-18	Total.....	14-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 81. Accounting	3	Econ. 82. Accounting	3
Econ. 163. Bus. Administration.....	3	Psych. 1. Prin. of Psychology	4
Eng. 103. Publicity	2	Eng. 104. Publicity	2
Econ. 29. Parliamentary Law	1	Bact. 8. Hygiene and Sanitation..	3
*Professional Courses	3	*Professional Courses	3
Elective and Gen. Reqmnts.	2- 6	Elective and Gen. Reqmnts.	0- 4
Total.....	14-18	Total.....	14-18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 165. Business Law	2	Econ. 166. Business Law	2
Econ. 161. Office Management	3	Econ. 192. Methods of Com. Teach. ..	3
Econ. 113. Statistics	3	*Professional Courses	5
*Professional Courses	3	Elective and Gen. Reqmnts.	4- 8
Elective and Gen. Reqmnts.	3- 7		
Total.....	14-18	Total.....	14-18

*Professional Courses, offered 1925-26, from which selection may be made in the Junior and Senior years of the Secretarial major, include the following:

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 105. Money and Prices.....	3	Econ. 106. Credit and Banking.....	3
Econ. 111. Labor Problems	3	Econ. 142. Sociology	3
Econ. 141. Sociology	3	Econ. 164. Corporation Finance.....	3
Econ. 169. Marketing	3	Econ. 170. Agricultural Co-op.....	3
Econ. 171. Business Conditions.....	3	Econ. 174. Statistical Problems.....	2
Econ. 187. Income Tax Acct.	2	Econ. 188. Income Tax Acct.....	2
Psych. 103. Psych. of Advertising	3	H.Ec. 68. Commercial Art	2

Extractive Industries

The extractive industries include Agriculture, Forestry, and Mining. Electives in these fields must be chosen with the advice and approval of the dean of the college or school in which the student elects his courses. No specific requirements are made as to the total number of credits, but it is expected that students will elect at least 20 hours in some one of the extractive industries.

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 15. Great Books	3	Eng. 16. Great Books	3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Econ. 11. Prin. of Economics	4	Econ. 12. Prin. of Economics	4
Math. 1. Freshman Mathematics..	4	Math 14. Mathematics of Finance	3
Elective and Gen. Reqmnts.	2- 6	Elective and Gen. Reqmnts.	3- 7
Total.....	14-18	Total.....	14-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 163. Bus. Administration....	3	Econ. 164. Corporation Finance....	3
Econ. 81. Accounting	3	Econ. 82. Accounting	3
*Professional Courses	6	*Professional Courses	3
Elective and Gen. Reqmnts.	2- 6	Elective and Gen. Reqmnts.	5- 9
Total.....	14-18	Total.....	14-18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 167. Govt. Regul. of Bus.....	2	Econ. 168. Govt. Regul. of Bus.....	2
Econ. 165. Business Law	2	Econ. 166. Business Law	2
Econ. 113. Statistics	3	*Professional Courses	6
*Professional Courses	3	Elective and Gen. Reqmnts.	4- 8
Elective and Gen. Reqmnts.	4- 8		
Total.....	14-18	Total.....	14-18

*Professional courses, offered 1925-26, from which selection may be made in the Junior and Senior years of the major in the Extractive Industries, include the following:

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 105. Money and Prices.....	3	Econ. 106. Credit and Banking.....	3
Econ. 111. Labor Problems	3	Econ. 108. Transportation	3
Econ. 169. Marketing	3	Econ. 170. Agricultural Co-op.	3
Econ. 171. Business Conditions.....	3	Econ. 172. Foreign Trade	3
Econ. 177. Investments	3	Econ. 174. Statistical Problems.....	2
Econ. 181. Advanced Accounting....	3	Econ. 182. Advanced Accounting....	3
Econ. 187. Income Tax Acct.....	2	Econ. 188. Income Tax Acct.	2
Econ. 263. Business Forecasting....	3		

‡CURRICULUM IN MUSIC

Leading to the Degree, Bachelor of Music

With Majors in Applied Music, Theory and Composition, and Public School Music

Applied Music

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course	2	P.E. 2a-2b. Freshman Course.....	2
Mus. 1. Sight-Singing and		Mus. 2. Sight-Singing and	
Ear-Training	2	Ear-Training	2
Mus. 3. Harmony	2	Mus. 4. Harmony	2
Mus. 21, 31, 41. Applied Music.....	3	Mus. 22, 32, 42. Applied Music.....	3
*French, German or Italian	3- 5	*French, German or Italian	3- 5
†Elective	1	†Elective	1
Total.....	16-18	Total.....	16-18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Dev. of Eng. Lit.	3	Eng. 12. Dev. of Eng. Lit.	3
Foreign Language	3- 5	Foreign Language	3- 5
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Mus. 23, 33, 43. Applied Music.....	3	Mus. 24, 34, 44. Applied Music.....	3
Mus. 5. Harmony	2	Mus. 6. Harmony	2
†Elective	3- 4	†Elective	3- 4
Total.....	16-18	Total.....	16-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 25, 35, 45. Applied Music.....	3	Mus. 26, 36, 46. Applied Music.....	3
Mus. 101. Hist. and Appreciation	3	Mus. 102. Hist. and Appreciation	3
Mus. 103. Harmonic Analysis.....	2	Mus. 104. Harmonic Analysis.....	2
Phys. 01. Elementary Physics.....	5	Phys. 54. Music and Sound	3
†Elective	3	A science	4
Total.....	16	†Elective	1
		Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 27, 37, 47. Applied Music.....	3	Mus. 28, 38, 48. Applied Music.....	3
Mus. 105. Counterpoint	2	Mus. 106. Counterpoint	2
†Elective	11	†Elective	11
Total.....	16	Total.....	16

*Vocal students shall take one year in Italian (as Freshmen if possible) in addition to the language requirement in French or German prescribed by the College of Letters and Science.

†Violin students shall elect the orchestra, if eligible, and vocal students an ensemble course (glee clubs or choral society) thruout the four years. Six credits only in these courses can be accepted toward a degree. A special ensemble course will be offered for students of the violin and piano, which they shall elect for one year. All students shall elect six credits in Social Sciences some time during the course, in addition to the six credits in History and Appreciation. At least ten of the above-named elective credits shall be in advanced courses.

‡For general requirements for all degrees with Music as a major, see under Music in the description of courses in Part IV of the Catalog.

Public School Music

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
P.E. 1a-1b. Freshman Course	2	P.E. 2a-2b. Freshman Course.....	2
Mus. 1. Sight-Singing and Ear-Training	2	Mus. 2. Sight-Singing and Ear-Training	2
Mus. 21. Piano	1½	Mus. 22. Piano	1½
Mus. 31. Voice	1½	Mus. 32. Voice	1½
French or German	3-5	French or German	3-5
Elective	3-1	Elective	3-1
Total.....	16	Total.....	16

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Dev. of Eng. Lit.	3	Eng. 12. Dev. of Eng. Lit.	3
P.E. 3. Sophomore Course	1	P.E. 3. Sophomore Course	1
Mus. 23. Piano	1½	Mus. 24. Piano	1½
Mus. 33. Voice	1½	Mus. 34. Voice	1½
Mus. 3. Harmony	2	Mus. 4. Harmony	2
Mus. 71. School Music	2	Mus. 72. School Music	2
French or German	3	French or German	3
Glee Club or Orchestra	1	Glee Club or Orchestra	1
Elective	1	Elective	1
Total.....	16	Total.....	16

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 5. Harmony	2	Mus. 6. Harmony	2
Mus. 171. High School Music.....	2	Mus. 172. High School Music.....	2
Mus. 101. Hist. and Appreciation ..	3	Mus. 102. Hist. and Appreciation ..	3
Glee Club or Orchestra	1	Glee Club or Orchestra	1
Phys. 01. Elementary Physics.....	5	Phys. 54. Music and Sound	3
Elective	3	Psych. 1. General Psychology.....	4
Total.....	16	Elective	1
		Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 111. Conducting	1	Mus. 112. Conducting	1
Mus. 173. Practice Teaching	3	Mus. 174. Supervision	1
Glee Club or Orchestra	1	Glee Club or Orchestra	1
Elective	11	Elective	13
Total.....	16	Total.....	16

NOTE: Glee Club or Orchestra work shall be done the full four years if the student be eligible. Six credits in Social Sciences shall be elected in addition to the six credits in History and Appreciation. Required Educational electives shall be the three-credit course in Idaho School Law and Manual, and three credits in either Educational Psychology or Principles of Teaching. At least ten of the above-mentioned elective credits shall be in advanced courses. Graduates will receive a state high school teacher's certificate, issued by the State Board of Education, upon recommendation of the Dean of the School of Education.

Theory and Composition**FRESHMAN YEAR**

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course	2	P.E. 2a-2b. Freshman Course	2
Mus. 1. Sight-Singing and		Mus. 2. Sight-Singing and	
Ear-Training	2	Ear-Training	2
Mus. 3. Harmony	2	Mus. 4. Harmony	2
Mus. 21. Piano	3	Mus. 22. Piano	3
French or German	3- 5	French or German	3- 5
Elective	1	Elective	1
Total.....	16-18	Total.....	16-18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Dev. of Eng. Lit.....	3	Eng. 12. Dev. of Eng. Lit.	3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 3. Sophomore Course	1
Mus. 5. Harmony	2	Mus. 6. Harmony	2
Mus. 23. Piano	1½	Mus. 24. Piano	1½
French or German	3	French or German	3
Elective	5- 6	Elective	5- 6
Total.....	16½	Total.....	16½

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 25. Piano	1½	Mus. 26. Piano	1½
Mus. 101. Hist. and Appreciation	3	Mus. 102. Hist. and Appreciation	3
Mus. 103. Harmonic Analysis.....	2	Mus. 104. Harmonic Analysis.....	2
Mus. 105. Counterpoint	2	Mus. 106. Counterpoint	2
Phys. 01. Elementary Physics.....	5	Phys. 54. Music and Sound	3
Elective	2	Elective	4
Total.....	15½	Total.....	15½

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mus. 107. Canon and Fugue	2	Mus. 108. Canon and Fugue	2
Mus. 109. Composition	2	Mus. 110. Comp. and Orchestration	3
Elective	12	Elective	11
Total.....	16	Total.....	16

NOTE: Six credits from the above-mentioned electives shall be in Social Science and four in Science. At least ten of the above-mentioned elective credits shall be in advanced courses.

ARCHITECTURAL CURRICULUM

The prescribed courses in Architecture lead to the degree of Bachelor of Architecture and are designed to prepare students for the general practice of the profession or for one of its various specialties.

The University Architect maintains an office on the campus, where designs are prepared for new buildings. This gives the students in Architecture an opportunity to become familiar with the actual work

of an architect in the various divisions of his practice and also offers an opportunity for employment as draftsmen to capable, self-supporting students.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Arch. 1. Elementary Design	3	Arch. 2. Architectural Design	2
Arch. 51. Elements of Beauty	1	Arch. 42. Architectural History	2
Arch. 21. Freehand Drawing	2	Eng. 2. English Composition	3
Eng. 1. English Composition	3	†Math. 2 or 12. Freshman Math....	4-5
†Math. 1 or 11. Freshman Math....	4-5	*C.E. 2. Descriptive Geometry	2
**Modern Language	3-5	**Modern Language	3-5
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course	2	P.E. 2a-2b. Freshman Course	2
Total.....	18	Total.....	18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Arch. 3. Architectural Design	3	Arch. 4. Architectural Design	3
Arch. 29. Elem. Water Color	1	Arch. 30. Water Color Rendering	1
Arch. 43. Architectural Hist.	2	Arch. 36. Perspective	1
Phys. 1. General Physics	4	Phys. 2. General Physics	4
Math. 21. Calculus	4	Math. 22. Calculus	4
**Modern Language	3	**Modern Language	3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Total.....	18-19	Total.....	17-18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Arch. 105. Architectural Design....	4	Arch. 106. Architectural Design....	4
Arch. 45. Architectural Hist.	2	Arch. 46. Architectural Hist.	2
Arch. 23. Freehand Drawing	2	Arch. 24. Freehand Drawing	2
Arch. 61. Carpentry Constr.	2	Arch. 64. Masonry Constr.	2
Arch. 65. Working Drawings	2	C.E. 3a. Surveying	2
Eng. 5. Advanced Composition	3	C.E. 6. Mechanics (Statics)	3
Econ. 1. Principles of Econ.	3	Econ. 2. Principles of Econ.	3
Total.....	18	Total.....	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Arch. 107. Architectural Design....	5	Arch. 108. Architectural Design....	5
C.E. 103. Mechanics of Materials....	3	Arch. 72. Water Supply and	
C.E. 109. Materials Testing Lab....	2	Drainage	1
C.E. 151. Illumination	2	C.E. 102. Framed Structures	3
Arch. 59. Special Lectures	1	C.E. 106. Reinforced Concrete	2
Elective	2	Heating and Ventilation	2
Total.....	15	Elective	2
		Total.....	15

†Students who may have an inclination toward Architectural Engineering should take Math. 11 the first semester and Math. 12 the second semester.

**Students who have had, in high school, two years of a modern language may complete the language requirement by taking two semesters of three credits each of the same language. Such students may elect subjects in the Sophomore year instead of language, as scheduled. Students with one year, or less, of language in high school shall take the five-credit course in the Freshman year, omitting Freehand Drawing, which may be taken in the Summer School. French is recommended to students of architecture as a desirable language.

*C.E. 2 is a three-credit course but architectural students take only the first twelve weeks. The subject of Shades and Shadows is taught with the work in Arch. 1.

Landscape Architectural Curriculum

The first two years of a four-year course in Landscape Architecture are offered for those who expect ultimately to practice this profession. The first year only is outlined at this time but the succeeding catalog will contain the full curriculum leading to the degree of Bachelor of Landscape Architecture. In general, the first year's work will be the same as in Architecture. In the succeeding years a large part of the time will be devoted to drawing, water-color, architectural design, landscape design, botany, plant materials, landscape gardening, etc.

An inquiry will bring full details to prospective students.

THE PRE-NURSING CURRICULUM

The Pre-Nursing curriculum is designed primarily for those who wish to prepare themselves for administrative, teaching, social service, or public health work. The curriculum consists of three years' work at the University of Idaho and two years at some approved school of nursing or hospital. At present the University of Idaho is affiliated with the Stanford School of Nursing, Stanford Hospitals, San Francisco, which institution will grant the degrees of Bachelor of Arts and Graduate Nurse at the end of the five years. Similar affiliations have been completed with the Deaconess, Sacred Heart, and St. Luke's School of Nursing at Spokane, Washington.

The B.S. degree will be granted by the University of Idaho on completion of the requirements for the degree of Graduate Nurse at an approved school of nursing or hospital in lieu of the Senior year.

Students who desire to stay at the University of Idaho for the fourth year are advised to take the suggested electives of the Senior year. The completion of this four-year curriculum will lead to the degree of Bachelor of Science in Pre-Nursing Studies, B.S. (Pre-Nurs.)

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition ...	3	Eng. 2. English Composition....	3
Foreign Language	3-5	Foreign Language	3-5
Zool. 1. General Zoology	4	Zool. 2. General Zoology	4
P.E. 1. Physical Education	2	P.E. 2. Physical Education	2
Elective	2-4	Elective	2-4
Total.....	16	Total.....	16

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Foreign Language	3	Foreign Language	3
Chem. 1. General Chemistry ...	4	Chem. 2. General Chemistry	4
Zool. 113. Embryology	4	Psych. 1. General Psychology....	4
Social Science	3	Social Science	3
Physical Education	1	Physical Education	1
Elective	1	Elective	1
Total.....	16	Total.....	16

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Zool. 105. Human Physiology ...	3	Zool. 106. Human Physiology	4
Zool. 103. Human Anatomy	2	Zool. 104. Human Anatomy	2
Bact. 101. General Bacteriology..	4	Chem. 13. Organic Chemistry ...	3
Eng. 5. Advanced Composition ..	3	H. Ec. 134. Home Nursing	2
Elective	4	Elective	5
Total.....	16	Total.....	17

Those who desire to stay at the University for the fourth year are advised to take the following suggested electives. This will complete the requirements for a bachelor's degree (B.S. Pre-Nursing.)

*SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Suggested Electives		Suggested Electives	
Zool. 115. Cytology	5	Zool. 116. Cytology	5
Social Science	3	Social Science	3
**Other Electives	8	Bact. 104. Pathogenic Bacteria..	3
		**Other Electives	5
Total.....	16	Total.....	16

(Other suggested electives: Selection and Preparation of Foods, Heredity and Eugenics, Histology, Sociology, Public Speaking, Physics, Additional Chemistry.)

THE COLLEGE OF AGRICULTURE

EDWARD JOHN IDDINGS, M.S.....*Dean of the College*

GRACE L. BENNETT*Secretary of the College Faculty*

CLARENCE CORNELIUS VINCENT, M.S. (AGR.)..*Chairman of the Scholarship Committee*

FRED EUGENE ARMSTRONG, M.S..*Chairman of the Curriculum Committee*

HAROLD WATKINS HULBERT, M.S. (AGR.).....*Chairman of the Publications Committee*

FARMS, BUILDINGS, AND LIVESTOCK

The equipment of the College of Agriculture and Agricultural Experiment Station at Moscow consists of 385 acres of deeded and leased land and eleven permanent buildings. In addition the University owns or leases for purposes of agricultural experiments 770 acres located at five other points in the State.

The equipment for agricultural instruction consists of Morrill Hall,

*The B.S. degree will be granted by the University of Idaho on completion of the requirements for the degree of Graduate Nurse at an approved School of Nursing or Hospital in lieu of the Senior year.

**Students who desire to teach in Idaho High Schools after graduation must have eleven credits in Education in order to secure a state certificate.

used as a central office, class-room, and laboratory building; dairy building; judging pavilion; horticultural by-products building; dairy-cattle, horse, sheep, and beef-cattle barns; poultry house, and poultry-service building; 350 head of carefully selected purebred livestock; 45 acres devoted to experimental work in plant breeding, variety tests, and crop rotation; 45 acres of orchard and garden; 120 acres of pasture and green forage for horses, beef cattle, dairy cattle, sheep and swine; 60 acres of corn, peas, and oats, and other silage crops; and 95 acres of meadow.

LABORATORIES

AGRICULTURAL CHEMISTRY.—This laboratory is fully equipped with all the necessary apparatus for a complete course in all the branches of agricultural and soil chemistry. Reference books, technical bulletins, and journals are on file in the department library.

AGRICULTURAL ENGINEERING.—The laboratories contain levels, transits, and other equipment for surveying; ten gasoline engines, eight automobiles, eight tractors; one acetylene welding plant and a fully equipped shop and tool room; up-to-date farm machines commonly found on the average farm in Idaho; a test brake for determining the belt horse-power of tractors and a tractor dynamometer for determining the draw-bar horse-power. Pumps, tanks, weirs, and current meters are available for practice in irrigation measurements.

AGRONOMY.—A large, well equipped laboratory is used for instructional work in grain and forage-crop identification, market grading, and judging. Samples of grain and forage varieties are used for laboratory study in identification and judging. A special laboratory is provided for seed testing and advanced research in crops, and a branch of the State Seed Laboratory is maintained for service to seedsmen and farmers, which permits special instruction in seed analysis and identification. The department operates a 45-acre tract of land for experimental and demonstration work, which is used to supplement the laboratory courses. A part of one of the greenhouses is devoted to raising specimens of forage crops for study during the winter months. Material is also grown for plant-breeding studies. The soil laboratories are well equipped with modern apparatus for soil physics. In addition, sixty-four one-tenth-acre field plots are set aside for field work in soils.

ANIMAL HUSBANDRY.—For use in the scoring and comparative judging of market and breed types the University owns and maintains a livestock herd consisting of fourteen purebred draft horses, representing three breeds, and six grade draft horses; sixty-five head of beef-cattle representing three breeds; 150 head of purebred sheep representing seven breeds; and fifty head of purebred hogs representing three breeds. In the barns, work is given in the judging, care, handling and management of livestock.

BACTERIOLOGY.—The bacteriological laboratory occupies four large

rooms on the third floor of Morrill Hall. Here is found all the modern equipment necessary for teaching and research work in the various phases of the subject, including electric sterilizing ovens, incubators, autoclaves, electrically controlled constant temperature room, chemical apparatus used in the determination of the physiology of bacteria, and special equipment for laboratory diagnosis of disease. The student laboratory is adjacent to the research laboratory, thus offering the student an excellent opportunity for observation in research methods. Leading national and foreign publications in bacteriology are on file in the Department.

BOTANY.—See College of Letters and Science.

DAIRY HUSBANDRY.—Facilities for instruction in dairying include the creamery laboratory, provided with the usual equipment found in commercial creameries, such as power separators, churns, pasteurizers, and apparatus for the manufacture of cheese and ice-cream, several makes of cream separators, milk-testing apparatus, a mechanical refrigeration plant, and cold-storage rooms. In addition, there is a well equipped laboratory for research work. For practice in judging and for other laboratory work the University maintains a herd of fifty head of dairy cattle, representing the Jersey and Holstein breeds. Of these complete milk and butterfat records are kept.

HORTICULTURE.—The laboratory of this Department is on the second floor of Morrill Hall, but much of the laboratory work is carried on in the 45-acre gardening and orchard tract. An implement room for the display of the best horticultural tools and two greenhouses furnishing ample material for work in plant propagation and landscape gardening are maintained. A well-equipped by-products building is also maintained for experiment and use of students.

PLANT PATHOLOGY.—The Department occupies the entire fourth floor of Morrill Hall and consists of offices, recitation room, combined reading room and herbarium, and two well equipped laboratories. The laboratories contain adequate modern equipment for teaching and research in plant pathology. A room in one of the greenhouses is devoted to growing of plants for teaching and research in plant disease control. Field plots adjacent to the University farm are used in the study of plant disease control under field conditions. Reference books, journals, bulletins, and the herbarium of plant disease specimens are located in the department reading room.

POULTRY.—The poultry plant has facilities for the training of students in practical poultry work. A flock of about six hundred birds is maintained. The service building contains a judging laboratory, a workshop, a feed room, an egg room, and two incubator rooms—one for a mammoth incubator, the other for student practice with small-type machines. A laboratory room is also equipped for fattening, killing, and marketing work. Eight different breeds are available for judging practice.

Fourteen pens are equipped for student practice in pen management and for the brooding and rearing of chicks. A library, maintained in the office in Morrill Hall, is provided with all the latest poultry books, magazines, and bulletins.

ZOOLOGY.—See College of Letters and Science.

ADMISSION

A statement of admission requirements* is presented on page 17 and following.

DEGREES

Curricula of study are offered toward the degrees of Bachelor of Science in Agriculture and Master of Science in Agriculture.

Instruction is given in Agricultural Chemistry, Agricultural Education, Agricultural Engineering, Agronomy, Animal Husbandry, Bacteriology, Dairy Husbandry, Entomology, Horticulture, Plant Pathology, Poultry Husbandry, Soils, and Veterinary Science.

All students pursue the same curriculum thru the Freshman and the Sophomore years. At the beginning of the Junior year a major agricultural subject is chosen. Majors may be chosen in Agronomy, Animal Husbandry, Dairy Husbandry, Horticulture, Agricultural Education, Agricultural Engineering, or General Agriculture.

The Teacher-Training Curriculum in Vocational Agriculture is the course approved by the State Board for Vocational Education for the preparation of Smith-Hughes high-school agriculture teachers. Graduates from this course are eligible for a state high-school certificate valid for five years.†

Those who desire a more general course in agriculture, such as will especially fit for county-agent and other extension work, should major in General Agriculture, or will find it possible so to choose electives in one of the six other major curricula as to prepare for work in these fields.

CURRICULUM

Freshman and Sophomore Years

Students in all four-year curricula in the College of Agriculture take the same work in the Freshman and Sophomore years and certain specified requirements in the Junior year, except those majoring in Agricultural Engineering.

*Admission to the short course in agriculture and dairying is secured from the eighth grade. A special description of the short course may be had upon application.

†Any graduate of the college, or undergraduate who has completed the Sophomore work, provided he has included in such work at least ten credits in Education as specified in the general catalog, and provided his average grade does not fall below 4.000, is eligible for an elementary certificate valid for five years.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
Bot. 11. General Botany	5	Agron. 2. Grain Crops	3
A.H. 1. Market Types of Livestock	3	D.H. 2. Elements of Dairying...	2
Mil. 1. Freshman Military	2	Hort. 2. Elements of Hort.	3
		A.E. 4 Farm Shop	1
		Mil. 2. Freshman Military	2
Total.....	17	Total.....	18

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
*Chem. 13. Organic Chemistry ...	4	*Agr. Chem. 2. Gen. Ag. Chem... 2	
Zool. 1. General Zoology	3-4	and	
Agron. 3. Forage Crops	3	*Agr. Chem. 2a. Applied Ag-	
D.H. 3. Milk Production	3	ricultural Analysis	2
Mil. 3. Sophomore Military	2	**Phys. 01. Elementary Physics... 5	
Ent. 1. Elementary Entomology... 3		A.H. 4. Breed Types of Livestock 3	
or		Hort. 4. Vegetable Gardening.... 2	
A.E. 61. Irrigation Measurements 2		Mil. 4. Sophomore Military	2
		P.H. 2. Poultry Production..... 2	
		or	
		P.P. 2. Plant Diseases	2
Total.....	18	Total.....	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Agron. 151. General Soils	4	Eng. 5. Advanced Composition.... 3	
Bact. 101. General Bacteriology. 4			

To obtain the recommendation of the Faculty for the degree of Bachelor of Science in Agriculture, B.S. (Agr.), the student must, in addition to completing the regular courses of study prescribed by the department in which his major lies, present evidence of having spent at least one summer after his first year in residence at the University in practical farm work on an approved farm; those enrolled in the teacher-training course in Agricultural Education also must present evidence of having had a total of two years of practical farm experience subsequent to becoming fourteen years of age.

Students who complete eleven credits in Agricultural Education and who pass an examination in the Idaho Manual and School Law and Idaho Civil Government will receive a five-year high-school certificate.

MAJORS

The student is required to select a major prior to or at the beginning of the Junior year. Majors may be chosen in Agricultural Education, Agricultural Engineering, Agronomy, Animal Husbandry, Dairy Husbandry, Horticulture, or General Agriculture. The head of the department is the student's major professor in each case except in General Agricul-

*Those students preparing for professional work in Agriculture are urged to take Chem. 3, 4, 101, 102, prior to Agricultural Chemistry.

**Students presenting physics as entrance credit will not be required to take Physics 01.

ture. Those choosing to major in General Agriculture will register with the Dean of the College.

Twenty credits are required for a major, the courses to be selected by the major department, except in Agricultural Engineering, where 48 credits are required and specified for the major. The student will take twelve credits in other departments, the courses to be selected with a definite objective and approved by the major department. Twenty-eight credits are elective, except in Agricultural Engineering, in which major twelve credits are elective.

Total credits required for the degree of Bachelor of Science in Agriculture are as follows:

Required and specified in Freshman, Sophomore and	
Junior years	78-77
Restricted elective in Sophomore year	4- 5
*Required by Major department	20
Required in other departments	12
Elective	28

Total required for graduation..... 142

SPECIAL COURSES

SCHOOL OF PRACTICAL AGRICULTURE

The School of Practical Agriculture is an organization within the College of Agriculture, maintained for the purpose of providing practical agricultural training for young men who lack the necessary preparation, or the time, for the regular college courses in Agriculture. The instruction within the School is made as practical as possible and deals primarily with up-to-date farm practices in the various phases of agriculture.

Graduates of the course should be qualified to become successful farmers or managers of livestock ranches, fruit orchards, commercial poultry establishments, or other agricultural enterprises.

ADMISSION.—Anyone who can show that he will profit by the work offered will be admitted, but those with an eighth grade education, or better, are best fitted to take advantage of the courses given. Practical farmers should not hesitate to enrol, no matter what their schooling.

EIGHT-WEEKS WINTER TERM

Certain new studies are taken up at the opening of the second term in January, so that students who desire to do so may enter at this time and secure eight weeks of practical instruction which will be highly valuable whether followed by further study another year or not. Studies in

*In all majors except Agricultural Engineering where 48 credits are required and specified by the Department.

Farm Crops, Farm Horticulture, Elements of Dairying, Poultry Raising, and the Feeding and Care of Livestock will thus be available for the year 1925-26.

COST

Tuition is free, but each student pays a health fee of \$1.25 each term, entitling him to free medical attention under certain conditions, and a Students' Association fee of \$4.25 each term, admitting him to all athletic games played on the campus, covering his subscription to the college paper, and entitling him to a few other privileges. A deposit of \$5.00 is required of each student as a breakage fee. He is entitled to receive this back at the end of the year. The other necessary expenses will be for room and board, laundry, books, railroad fare, and incidentals. Room and board may be had at from \$6.50 to \$8 a week. Exclusive of railroad fare, expenses for the four months should not exceed \$160. There are some opportunities for a boy to earn a portion of his expenses while in school.

CERTIFICATE

A regular certificate of the School of Practical Agriculture is awarded upon the completion of the two-year curriculum.

ADMISSION TO THE UNIVERSITY

The School is not maintained for the purpose of preparing students for admission to college. Fair credit for all work done in the school will be allowed, however, toward meeting the regular University entrance requirements.

DATE OF OPENING.—The School will open for registration of students Monday, Oct. 26, 1925. Classes will begin Tuesday, Oct. 27. School will close Feb. 26, 1926.

SPECIAL CATALOG.—Those who are especially interested in this School should write to the Principal of the School of Practical Agriculture, Moscow, Idaho, for a special catalog.

TWO-YEAR CURRICULUM

FIRST YEAR

FIRST TERM				SECOND TERM			
Required			Hours	Required			Hours
	Rec.	Lab.			Rec.	Lab.	
Farm Mathematics	3	0		Farm Horticulture	2	4	
Market Types of Livestock ..	3	4		Grain Crops	2	4	
Poultry Management	2	2		Farm Motors	1	4	
Shop Practice	1	2		Breed Types of Livestock ..	3	4	
Soils	2	2		Elements of Dairying	1	4	
Gymnasium	0	2		Gymnasium	0	2	
Elective				Elective			
Vegetable Gardening	2	2		Plant Diseases	2	2	
Forge	0	3		Livestock Management	0	3	
Insect Pests	2	4		Farm Shop	0	4	
Farm Buildings	1	4					

SECOND YEAR

FIRST TERM			SECOND TERM		
Required	Hours		Required	Hours	
	Rec.	Lab.		Rec.	Lab.
Principles of Breeding	3	0	Feeds and Feeding	5	0
Forage Crops	2	2	Farm Management	2	0
Farm Machinery	1	4	Prevention and Treatment of Animal Diseases	3	2
Milk Production	3	4	Elective		
Advanced Stock Judging ...	0	4	Small Fruits and Berries ...	2	2
Farm Tractors	2	4	Advanced Dairy Stock Judging	0	4
Rural Law	2	0	Poultry Management	2	2
Farm Records	0	2	Irrigation	2	2
Gymnasium	0	2	Farm Electricity	2	2
			Gymnasium	0	2

Required for graduation..... 80 credits

COMMERCIAL DAIRYING

The five-months course in Commercial Dairying is planned to give a practical working knowledge of modern dairy manufacturing methods. That the factory man may appreciate the producer's problems, some attention is given also to milk production and allied subjects. The primary object of the course is, however, to train men who will be able successfully to fill responsible positions in dairy manufacturing plants. Efforts are made to place worthy men in desirable positions.

A three-story brick building devoted entirely to the work in dairying provides space for class-rooms and laboratories. The equipment includes the necessary machinery for the manufacturing of butter, cheese, and ice-cream by modern commercial methods. The machinery includes a power separator, continuous and vat pasteurizers, combined churns, cheese vats and presses, market milk equipment, brine and tub ice-cream freezers. Refrigeration for cold rooms and other purposes is furnished by a five-ton mechanical refrigerating plant. The testing laboratory is equipped for making tests of fat, acidity, moisture, salt, etc., upon dairy products.

Students who are seventeen years of age or over and who have completed the eighth-grade work will be admitted without examination. Others will be admitted upon submitting evidence of sufficient previous training to undertake the work. The work of the course covers two terms of approximately ten weeks each, extending from October 26 to March 26.

COMMERCIAL DAIRYING CURRICULUM

FIRST TERM		SECOND TERM	
Oct. 26, 1925-Jan. 16, 1926		Jan. 18, 1926-March 26, 1926	
Course	Credit Hours	Course	Credit Hours
Cheesemaking	4	Buttermaking	4
Ice Cream Making	3	Milk Productions	4
Farm Dairying	3	Market Milk	3
Dairy Bacteriology	2	Factory Management	3
Dairy Mechanics	2	Dairy Calculations	2
Dairy Calculations	2	Market Eggs	2
Market Poultry	2	Scoring Milk, Butter, Cheese and Ice Cream	1
Factory Tests	1		
Total.....	19	Total.....	19

A certificate will be issued upon the completion of six months' satisfactory employment in a commercial dairy manufacturing plant.

AUTOMOBILE MECHANICS

Sixteen-Weeks Course

The course for Automobile Mechanics consists of practical instruction in the operation and repair of automobiles and trucks, together with sufficient general background to give students a working knowledge of automobile construction. The work is grouped in special courses, such as Motors, Ignition, Starting and Lighting, and Storage Batteries, thus enabling the students to specialize according to their needs.

Machine shop work and oxyacetylene welding receive the attention permitted within the time available. Effort is made to keep all work commercial in character and to meet the needs of the garage mechanic or anyone wishing to enter garage work. The equipment used in these courses was originally provided for wartime training and is of the highest grade.

The course is offered in the School of Practical Agriculture under the direction of the Agricultural Engineering Department. In addition to the fees for health, student association, and breakage, paid by all students in the School of Practical Agriculture, a laboratory fee of \$5 is required. If the work in oxyacetylene welding is taken the fee will be \$10. Entrance requirements are those of the School of Practical Agriculture.

AUTO MECHANICS CURRICULUM

FIRST TERM			SECOND TERM		
	Hours			Hours	
	Lect.	Lab.		Lect.	Lab.
Shop Mathematics	3		Tractors	2	4
Drafting	1	6	Oxyacetylene Welding		6
Shop Practice	1	3	Storage Batteries	1	6
Farm Motors	1	4	Machine Shop		12
Auto Motors	2	12	Auto Motor Ignition	2	9
Auto Chassis	1	6			
	9	31		5	37

A certificate will be issued upon the completion of six months' satisfactory employment in a commercial garage.

THE COLLEGE OF ENGINEERING

IVAN C. CRAWFORD, C.E.....*Dean of the College*

J. HUGO JOHNSON, E.E.....*Secretary of the College Faculty*

EQUIPMENT

CIVIL ENGINEERING

In civil engineering there is a full equipment of field instruments, with an unusually well-appointed drafting room, a complete cement-testing laboratory and a 200,000-pound universal Olsen testing machine, for testing wood, iron, and steel, and the desirable supplementary equipment. A

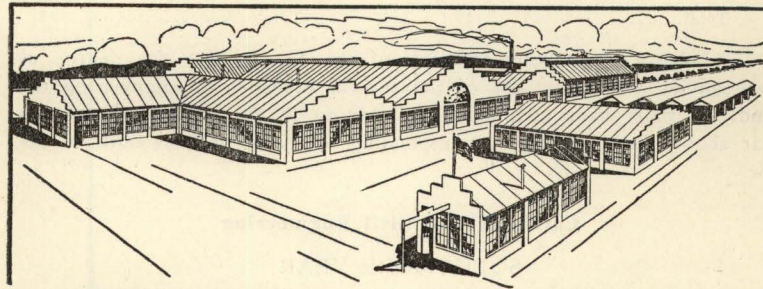
road-materials laboratory fully equipped for testing both bituminous and non-bituminous materials has been provided and is available not only for the instruction of students but primarily for the service of highway officials thruout the state in making all tests needed in the course of road construction.

ELECTRICAL ENGINEERING

This laboratory is equipped to demonstrate the action of the various types of generators, motors, converters, transformers, and other electrical apparatus, by using commercial machines of convenient size. In addition to the photometric and radio laboratories, an electrical standardization laboratory is maintained.

MECHANICAL ENGINEERING

The mechanical laboratory is equipped for experimental work on steam, gas, and oil engines; on gas producer, air compressor, feed pump and heater, and injectors; on automobile motors, carburetors, ignition, and starting apparatus. Facilities are provided for fuel analysis and testing. The University heating and cold storage plants are also available



THE ENGINEERING SHOPS

These buildings, affording 25,000 square feet of floor space and occupying a tract of six acres, are additional to those shown in the maps in the front of the catalog.

for laboratory work. The leading mechanical engineering journals in English will be found in the Library.

CHEMICAL ENGINEERING

The chemical engineering laboratories are not segregated from those of the Department of Chemistry. There is the necessary equipment for the work of this course.

ADMISSION AND DEGREES

ADMISSION.—For a statement of admission requirements see pages 17, 18, and following.

DEGREES.—Curricula are offered in the College of Engineering leading to the degrees of Bachelor of Science in Civil Engineering, B.S.

(C.E.); Bachelor of Science in Electrical Engineering, B.S.(E.E.); Bachelor of Science in Mechanical Engineering, B.S.(M.E.); Bachelor of Science in Chemical Engineering, B.S.(Chem.E.)

For the requirements for the advanced degrees of Master of Science in the respective branches of engineering, M.S. (C.E.), etc., see under Graduate Study in Part III of the catalog.

REQUIREMENTS FOR GRADUATION

Students in all four-year curricula in the College of Engineering take the same work in the Freshman year, as follows:

COMMON FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. Composition	3	Eng. 2. Composition	3
Math. 11. Freshman Math.	5	Math. 12. Freshman Math.	5
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 1. Engineering Drafting ...	4	C.E. 2. Descriptive Geometry ...	3
M.E. 1. Wood Work	1	M.E. 2. Forge Shop	1
Mil. 1. Freshman Military	2	Mil. 2. Freshman Military	2
Engineering Lectures		Engineering Lectures	
Total.....	19	Total.....	18

To obtain the recommendation of the Faculty for the degree of Bachelor of Science in any of the several branches of engineering the candidate must have completed, in addition to the common Freshman year above, the curriculum corresponding to that degree as outlined below.

Curriculum in Civil Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 21. Calculus	4	Math. 22. Calculus	4
Phys. 11. Engineering Physics ...	5	Phys. 12. Engineering Physics ...	5
C.E. 3. Surveying	4	C.E. 4. Surveying	3
Geol. 1. General Geology	4	C.E. 6. Mechanics (Statics)	3
Mil. 3. Sophomore Military	2	C.E. 8. Railroad Curves	1
		Mil. 4. Sophomore Military	2
Total.....	19	Total.....	18

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics) 2		C.E. 102. Framed Structures....	3
C.E. 103. Mechanics of Materials 3		M.E. 122. Engines & Boilers....	3
C.E. 105. Roads and Pavements.. 3		C.E. 104. Hydraulics	3
C.E. 107. Railroad Engineering.. 5		Eng. 5. Advanced Composition ...	3
C.E. 109. Testing Laboratory... 2		E.E. 132. A.C. Machinery	2
E.E. 131. Direct Current Mach. 2		C.E. 106. Reinforced Concrete.. 2	
*Elective	2	*Elective	2
Total.....	19	Total.....	18

*Electives must be approved by the Dean of the College of Engineering.

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 121. Structural Design.....	4	C.E. 120. Irrigation and Drainage	3
C.E. 123. Bridge Design.....	2	C.E. 122. Water Supply	2
C.E. 125. Sewers and Sewerage..	2	C.E. 124. Contracts and Specifications	2
C.E. 127. Waterpower Engineering	3	C.E. 126. Masonry and Foundations	5
C.E. 129. Engineering Valuations	2	Met. 106. Metallurgy of Iron and Steel	1
*Elective	5	*Elective	5
Total.....	18	Total.....	18
Total credits required.....147			

Curriculum in Electrical Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
M.E. 5. Shop Practice	2	C.E. 6. Mechanics (Statics)....	3
Math. 21. Calculus	4	Math. 22. Calculus	4
M.E. 13. Mechanism	3	C.E. 3a. Surveying	2
M.E. 3. Machine Shop	2	Phys. 22. Engineering Physics ..	5
Phys. 11. Engin. Physics	5	E.E. 22. Elem. Elect. Engin.....	3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
Total.....	18	Total.....	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics)	2	C.E. 104. Hydraulics	3
C.E. 103. Mechanics of Materials	3	M.E. 122. Engines and Boilers..	3
M.E. 123. Thermodynamics	3	M.E. 126. M.E. Design	2
E.E. 133. Prin. of Elect. Engin. 3		M.E. 128. M.E. Laboratory	2
E.E. 135. E.E. Laboratory	2	E.E. 134. A.C. Machinery	3
Math. 101. Engineering Math....	3	E.E. 136. E.E. Laboratory	2
Phys. 131. Elect. and Magnetism	2	Eng. 5. Advanced Composition ...	3
Phys. 133. Elect. Measurements.	2		
Total.....	20	Total.....	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
E.E. 141. Electrical Engineering.	5	E.E. 142. Electrical Engineering.	5
E.E. 143. E.E. Laboratory	2	E.E. 144. E.E. Laboratory	2
E.E. 145. Power Seminar	1	E.E. 146. Power Seminar	1
E.E. 147. Electrical Design.....	3	E.E. 148. Elect. Railway Engin... 3	
E.E. 153. Central Stations	3	C.E. 124. Contracts and Specific.	2
*Elective	4	*Elective	5
Total.....	18	Total.....	18
Total credits required148			

Curriculum in Mechanical Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 21. Calculus	4	C.E. 6. Mechanics (Statics)	3
Phys. 11. Engineering Physics...	5	Math. 22. Calculus	4
M.E. 13. Mechanism	3	Phys. 12. Engineering Physics ..	5
M.E. 3. Machine Shop	2	M.E. 4. Foundry	2
M.E. 5. Shop Practice	2	C.E. 3a. Surveying	2
Mil. 3. Sophomore Military	2	Met. 106. Met. of Iron and Steel	1
		Mil. 4. Sophomore Military	2
Total.....	18	Total.....	19

*Electives must be approved by the Dean of the College of Engineering.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Dynamics)	2	M.E. 122. Engines and Boilers...	3
C.E. 103. Mechanics of Materials	3	M.E. 128. M.E. Laboratory	2
M.E. 123. Thermodynamics	3	M.E. 124. Thermodynamics	2
E.E. 133. Prin. of Elect. Engin.	3	E.E. 132. A.C. Machinery	3
E.E. 135a. E.E. Laboratory	2	E.E. 136a. E.E. Laboratory	2
M.E. 101. Properties of Materials	3	C.E. 104. Hydraulics	3
M.E. 129. Machine Design	2	Eng. 5. Advanced Composition...	3
Total	18	Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
M.E. 133. Power Plants	3	M.E. 144. Heating and Ventil...	3
M.E. 125. M.E. Design	2	M.E. 126. M.E. Design	2
M.E. 141. Industrial Engineering	3	M.E. 142. Industrial Engineering	2
M.E. 121. Gas Engineering	3	C.E. 124. Contracts & Specific...	2
M.E. 127. M.E. Laboratory (Gas)	2	M.E. 152. Graphics	2
M.E. 139. Seminar	2	M.E. 140. Seminar	1
M.E. 151. Experimental Engin...	1	M.E. 150. Thesis	3
*Elective	3	*Elective	3
Total	19	Total	18
Total credits required		147	

Curriculum in Chemical Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Math. 21. Calculus	4	Math. 22. Calculus	4
Ger. 1. Elementary German or		Ger. 2. Elementary German or	
Fr. 1. Elementary French	5	Fr. 2. Elementary French	5
Chem. 3. Qualitative Analysis	4	Chem. 4. Quantitative Analysis	4
Phys. 11. Engineering Physics	5	Phys. 12. Engineering Physics	5
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
Total	20	Total	20

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 5. Advanced Composition...	3	C.E. 3a. Surveying	2
Ger. 13. Intermediate German or		Ger. 14. Intermediate German or	
Fr. 13. Intermediate French	3	Fr. 14. Intermediate French	3
Chem. 101. Organic Chemistry	5	C.E. 6. Mechanics (Statics)	3
Chem. 103. Adv. Quant. Analysis	3	Chem. 102. Organic Chemistry	3
E.E. 131. Direct Current Mach.	2	Chem. 104. Special Quant. Anal.	3
M.E. 123. Thermodynamics	3	E.E. 132. A.C. Machinery	2
		M.E. 128. M.E. Laboratory	2
Total	19	Total	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Chem. 107. Industrial Chemistry	3	Chem. 108. Industrial Chemistry	3
Chem. 105. Theoretical & Physical		Chem. 106. Theoretical & Physical	
Chemistry	3	Chemistry	3
C.E. 101. Mechanics (Analytics)	2	C.E. 104. Hydraulics	3
C.E. 103. Mechanics of Materials	3	M.E. 126. Machine Design	2
M.E. 13. Mechanism	3	C.E. 124. Contracts & Specific...	2
C.E. 109. Testing Laboratory	2	Met. 102. Fire Assaying	3
Chem. 109. Thesis	2	Chem. 110. Thesis	2
Total	18	Total	18
Total credits required		150	

*Electives must be approved by the Dean of the College of Engineering.

TWO-YEAR COURSE IN MECHANIC ARTS

This course is designed for students who wish to prepare themselves for the industrial trades.

Students entering the course are required to present ten high-school units. Of these units, two must be in English, one in algebra and one in history. The six remaining units may be selected from vocational and elective subjects.

This course is not a preparatory course for the regular four-year course in Mechanical Engineering. None of the work done during the first year will be given college credit.

Two-Year Curriculum in Mechanic Arts

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Mechanical Drawing	2	Mechanical Drawing	2
Algebra	5	Solid Geometry	3
Wood Work	1	English	3
Forge Work	1	Shop Practice	2
Plane Geometry	3	Physics	5
English	3	Military	2
Military	2		
Total.....	17	Total.....	17

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Machine Drawing	2	Descriptive Geometry	2
Machine Shop	2	Foundry	1
Pattern Making	1	Machine Shop	2
English	3	Engineering Mathematics	5
Power Machinery	3	Power Transmission	3
Engineering Mathematics	5	English	3
Military	2	Military	2
Total.....	18	Total.....	18

THE COLLEGE OF LAW

(The Idaho Law School)

ROBERT McNAIR DAVIS, A.B., J.D.....Dean of the College

HISTORY AND PURPOSE

The Idaho Law School was established by the Board of Regents of the University, at its April meeting in 1909. The attendance during the ensuing years, and the interest shown by the students and public have justified the action of the Regents in establishing the school.

The purpose of the Law Curriculum is to give a legal training to students whose preliminary education and maturity have fitted them for serious professional study. It aims to give a real knowledge of fundamental

legal principles and to develop the power of independent legal reasoning. The Curriculum covers a minimum period of three academic years and gives an adequate preparation for the practice of law in any American state. In all courses some special attention is paid to Idaho statutes and decisions; this in no way lessens their value for students coming from other states.

The College of Law is conducted upon the theory that teaching law is a task requiring all the working time of well trained legal scholars who have made special preparation for the teaching profession. The members of the teaching staff do not practice law but give all their time to instruction and research. Their practice of the law, which gives them an appreciation of the law in operation, has preceded their teaching.

The case system of instruction is used, supplemented by collateral reading, the examination of statutes, the solution of problems, and the delivery of reports upon legal questions.

Final examinations are held at the close of each course, and preliminary examinations are given as needed, especially during the first year, in order that teachers and students may be informed as to the progress which is being made.

In all of the work of the College of Law the honor system prevails. The Faculty believes that legal training under the honor system constitutes an important factor in the firm establishment of a high ethical standard among graduates of the college. The classes in the College of Law are relatively small. This limitation is believed by the Faculty to be of great advantage to the students, since it enables each instructor to give frequent personal attention to the development of each student and to require quizzes, problems, interviews, and reports which would not be possible were the number of students greatly increased.

PREPARATION FOR THE STUDY OF LAW

Prospective law students are advised that the Law is peculiarly an intellectual profession and for its successful study and practice demands a relatively high degree of intellectual maturity. Those with sound and thoro preliminary education will have incomparably the advantage in the study of law over those who lack such preparation. The experience of law teachers is that the standing and progress of law students may, in general, be measured by the extent and quality of their pre-legal education.

The American Bar Association at its annual meeting in 1921, by an overwhelming vote, adopted the following resolution:

(1) The American Bar Association is of the opinion that every candidate for admission to the bar should give evidence of graduation from a law school complying with the following standards:

a. It shall require as a condition of admission at least two years of study in a college.

b. It shall require its students to pursue a course of three years' duration if they devote substantially all of their working time to their studies, and a longer course, equivalent in the number of working hours, if they devote only part of their working time to their studies.

- c. It shall provide an adequate library available for the use of the students.
- d. It shall have among its teachers a sufficient number giving their entire time to the school to insure actual personal acquaintance and influence with the whole student body.

At its meeting in December, 1921, the Association of American Law Schools, an organization at present composed of more than sixty of the leading law schools of the country, unanimously adopted a resolution that, commencing in 1925, all member schools be required to have an entrance requirement of at least two years of college work. The member schools have already set such a minimum standard and many of them require graduation from college.

The requirements for admission to the College of Law of the University of Idaho as a candidate for a degree in law have been fixed according to the standard set forth above, namely, a minimum of two years of collegiate work. It is the opinion of the Law Faculty that this requirement should be increased to three years at the earliest date practicable. The Faculty is of the belief, furthermore, that graduation from college will better prepare for the study of law and it advises all intending law students, where it is possible, to take a complete college course before entering the College of Law.

Since the law touches every human interest, it is not practicable to require a rigid pre-legal course. The law demands primarily a mind trained to precision of thought, coupled with a sufficient knowledge of the history of English and American institutions and of civilization, to appreciate the economic and social forces back of our legal institutions.

The prospective law student ought to have a substantial general education in the fundamental subjects. He is advised to select in the first two years of his course those subjects that require precision in thought for their mastery, such as mathematics, foreign languages, and physical science. Electives to supply an informational background for law study should be found in economics, accounting, political science, philosophy, and history. A knowledge of Latin is not indispensable to law study but its study is recommended not only for its disciplinary value, but as a means of developing a clear, strong English style in writing and speaking. Careless expression indicates confused thinking. Failure of the reader to understand clearly the meaning of words on the printed page is equally fatal to clear thinking.

REQUIREMENTS FOR ADMISSION

Fifty-six credits in courses of college grade (exclusive of courses in Military and Physical Education) equivalent to two years of collegiate work, are necessary for admission to the College of Law as a candidate for the degree in law. These credits may be earned by taking the prescribed work and permitted electives in the Freshman and Sophomore years of the College of Letters and Science, leading to the degree of Bachelor of Arts or Bachelor of Science.

Three-fourths of the credits offered must be above grade D and the average must be C or better.

MINIMUM AGE FOR ENTERING LAW SCHOOL

An applicant for admission to the Law School must be at least eighteen years of age.

SUGGESTED PRE-LEGAL COURSE

All students taking courses in the College of Letters and Science preparatory to their entrance into the College of Law are requested to consult the Dean of the latter college before making their final choice of courses to be pursued during such preparatory work. The following suggestions are recommended but not required:

FIRST YEAR

English 1 and 2, three hours a week thruout the year.

History 1 and 2 (Early Middle Ages and Later Middle Ages), three hours a week thruout the year, or History 9 and 10 (United States History), three hours a week thruout the year.

Political Science 21 and 22 (American Government), three hours a week thruout the year.

Psychology 1 (General Psychology), four hours a week, for one semester.

At least one course in a foreign language (ancient or modern) or in science or mathematics. (Where a foreign language, not pursued by the student in high school, is elected it must be carried thruout the two years.)

SECOND YEAR

English 11 and 12 or English 13 and 14 or English 15 and 16 (English Literature), three or two credits thruout the year.

History 11 and 12 (United States History), three hours a week thruout the year.

Philosophy 5 (Logic), three hours a week for one semester.

Economics 1 and 2 (Principles of Economics), three hours a week thruout the year.

Economics 81 and 82 (Principles of Accounting), three hours a week thruout the year.

Foreign language continued, if elected in Freshman year.

(It is recommended that additional subjects necessary to make a complete schedule should be chosen from the social science group (Economics, History, Philosophy, Sociology, and Political Science).)

ADMISSION TO COMBINED COURSE

A student may secure the degrees of Bachelor of Arts and Bachelor of Laws in six years under the following regulation of the college of Letters and Science:

Any candidate for the Bachelor of Arts degree, who at the end of the Junior year has completed 96 semester hours and who has satisfied all other requirements of the College of Letters and Science for this degree, may in his Senior year take the full first year of the law course, and upon completion of the same be entitled to receive the degree of Bachelor of Arts. Upon satisfactory completion thereafter of two years of advanced law study the degree of Bachelor of Laws will be conferred. No student may substitute the first year of law as above provided, who shall have failed to maintain a uniform record of good scholarship to the end of his Junior year in the College of Letters and Science.

This combined course is urgently recommended to all students who find it impossible to complete four years of college study before entering the College of Law.

No work included in the above 96 credits and counted towards the Bachelor of Arts degree may be counted again toward the LL.B. degree.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing must satisfy the following requirements:

1. Compliance with the requirements for admission to the first year class.
2. For admission to the second year class, applicants must have successfully pursued the study of law in residence for at least one year in an approved law school, where they have received credit for courses equivalent to those required during the first year in the College of Law.
3. For admission to the third year class applicants must have successfully pursued the study of law in residence for at least two years in an approved law school where they have received credit for courses equivalent to those required during the first year and twenty-four credits in second year courses in the College of Law.

No credit will be given for work completed elsewhere than in standard law schools *while in residence at such schools*; therefore, no credit can be given for work done in a law office or by correspondence.

No student may receive the degree of Bachelor of Laws without at least one year's work in the University and the successful passing of courses aggregating at least 24 semester hours pursued in the College of Law.

Any applicant for advanced standing may also, in the discretion of the Law Faculty, be required to undergo an examination in any or all subjects presented for advanced standing.

SPECIAL STUDENTS

In rare instances persons who cannot qualify as candidates for the degree of Bachelor of Laws may be admitted as special students on petition to the Committee on Admissions, approved by the Faculty of the College of Law.

The applicant must show that he is more than twenty-two years of age, that he is unable to pursue such studies as will qualify him for admission as a regular student, that he possesses such educational training and practical experience as will enable him to pursue the study of law satisfactorily. Application for permission to enter as a special student should, therefore, be made in advance of the regular registration period.

It must be distinctly understood that such special students are not candidates for a degree in law.

STUDENTS IN OTHER COLLEGES

Students of at least Junior standing in other colleges of the University may be permitted to take work in the College of Law, but conditioned in

each case upon the consent of the instructor offering the course which such student desires to take.

PRACTICE COURT AND PROCEDURE

A portion of the law course is devoted to exercises in trial practice regularly and systematically conducted in a Practice Court under the direction of a member of the Faculty having special training and experience. This work follows as closely as practicable the procedure of corresponding Idaho courts and is preceded by an extensive course in the Principles of Trial Practice with particular reference to the rules of practice in Idaho as well as by thoro courses in Legal Bibliography, Brief Making, Procedure, Pleading and Evidence.

In the Practice Court, which is only a part of the course in Practice, cases arising upon a given statement of facts are prepared and assigned by the Professor of Practice and from such statements the pleadings are prepared and issues are framed. These cases ordinarily furnish good opportunity in the preparation of the pleadings and argument of the questions of law involved. When the cases are at issue and the pleadings approved they are assigned for trial.

The work is arranged so that in the trial of the cases the students will encounter problems that arise most frequently in practice.

After the case is disposed of upon the trial of a question of law or the issue of fact, the students are then given opportunity to carry the case thru the Appellate Court.

The class has available a large number of records of cases that have been disposed of in the Supreme Court of Idaho. This furnishes an unusually good opportunity to study methods of preparing pleadings and presenting evidence, and of preparing the record for the appeal.

COURTS

Moscow is the County Seat of Latah County, Idaho, and is also the seat of the United States District Court for the Northern Division of the State. Students will, therefore, have ample opportunity to observe the actual workings of the courts.

EQUIPMENT AND LIBRARY

ROOMS.—The Law School occupies rooms set apart for its use in the Administration Building at the University. These rooms include recitation rooms, the Dean's office and offices for the other members of the Law Faculty, the Law Library and Study Room, and the Court Room.

LIBRARY.—The Law Library and Study Room provides ample table space for the use of law students. It contains a growing law library of more than six thousand volumes of law books, including the standard digests, textbooks and encyclopedias of law; the statutes of the United States and of a majority of the American states; the reports of the

Supreme Court of the United States and many of the state reports prior to the National Reporter System; American Decisions; American Reports and American State Reports. It also contains Lawyers' Reports Annotated; American Law Reports; American and English Annotated Cases; English Ruling Cases; British Ruling Cases; New York Common Law and New York Chancery Reports; English Common Law Reports and English Chancery Reports; Moak's English Reports and other English Reports and the National Reporter System, including Federal Cases and the Federal Reporter. In addition, it contains the leading legal periodicals, and such works as are adapted to general legal instruction, including legal history and development. The general library contains a good selection of works on International Law and Roman Law.

ASSOCIATION OF AMERICAN LAW SCHOOLS

The College of Law is a member of the Association of American Law Schools, an organization of sixty-three of the high-grade law schools of the United States and Canada, devoted to the improvement of legal education in America.

REQUIREMENTS FOR GRADUATION AND DEGREE

Students who have complied with all entrance requirements and have completed the prescribed first-year courses and have obtained forty-eight credits for advanced studies as prescribed by the following outlined courses, or equivalents from other schools, and who have spent three years in the study of law at standard law schools, the last year at least having been spent in this school, will receive the degree of Bachelor of Laws (LL.B.) from the University, provided that at least two-thirds of the law credits offered are above grade D. Students entering the College of Law in September, 1925, and thereafter will be required to attain grade C or better in at least three-fourths of the law credits offered for the degree.

Special students whose work is satisfactory and who complete the whole or any part of the course may receive certificates stating the work done. Students in other colleges of the University who elect law studies will receive appropriate credits toward their degrees under the regulations prescribed by the several colleges.

FEES AND EXPENSES

TUITION FEE.—A tuition fee of \$12.50 a semester, payable in advance, and not subject to rebate in case of failure from any cause to complete the semester's work, is required of all students in the College of Law.

OTHER EXPENSES.—A statement of general University fees and expenses will be found beginning on page 21.

COURSES OF INSTRUCTION

The course of study covers three full academic years. The classroom work occupies a minimum of twelve hours a week, the unit of instruction and credit being one hour per week per semester. The pre-

scribed First-Year work is required of all First-Year students. Each student in the Second and Third-Year courses is required to take a minimum of twelve hours and may not, during any semester, receive credit for more than fifteen hours.

In Courses 101-102; 109-110; 115-116; 205-206; 207-208; 219-220; 235-236; and 237-238, no credit will be given for the work of the first semester until the work of the second semester is completed and an examination upon the entire Course is passed.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Law 101. Contracts	3	Law 102. Contracts	3
Law 105. Criminal Law	3	Law 104. Agency	4
Law 109. Civil Procedure	2	Law 110. Civil Procedure	2
Law 111. Personal Property	2	*Law 112. Rights in Land	3
Law 115. Torts	3	†Law 112. Titles of Real Estate	3
		Law 116. Torts	2
Total.....	13	Total.....	14

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Law 201. Equity	3	Law 202. Equity	3
†Law 203. Legal Bibliography.....	1	Law 204. Code Pleading	2
Law 207. Evidence	3	Law 208. Evidence	2
Total.....	7	Total.....	7

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
†Law 217. Public Utilities	3	†Law 220. Constitutional Law.....	2
†Law 219. Constitutional Law	3	Law 236. Private Corporations.....	2
Law 235. Private Corporations.....	2	Law 238. Practice	2
Law 237. Practice	2	Law 240. Conflict of Laws	3
Total.....	10	Total.....	9

ALTERNATING IN SECOND AND THIRD YEARS

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
*Law 205. Trusts	2	*Law 206. Trusts	2
*Law 209. Damages	2	*Law 214. Municipal Corporations ..	2
†Law 211. Wills	3	*Law 216. Mining Rights	3
†Law 213. Bills and Notes	3	†Law 224. Mortgages	2
*Law 215. Partnership	3	†Law 228. Water Rights	2
		†Law 234. Community Property....	2
Total.....	13	Total.....	13

*Offered in 1925-1926 and in alternate years.

†Offered in 1926-1927 and in alternate years.

‡Omitted in 1925-1926.

THE SCHOOL OF MINES

FRANCIS ANDREW THOMSON, D.Sc., E.M.....*Dean of the School*

ORGANIZATION

From its beginning the University of Idaho, situated as it is in one of the premier mining districts of the Union, has appropriately maintained courses in the technology of the mineral industries, and men trained in these courses have gone forth to render valuable service in the development of the state's great mineral wealth. In order further to strengthen this work the Commissioner and Board of Education, acting upon the recommendation of the President of the University, announced in August, 1917, the creation of a School or College of Mines as an administrative unit of the University. The field of the School of Mines is thus indicated:

"Within this School will be included the work in mining proper, in metallurgy, and in geology; and it shall include the exploitation of the non-metalliferous minerals (except road-making material) as well as that of the precious and useful metals."

In compliance with this instruction the School of Mines offers courses and curricula leading to the degrees of Bachelor of Science in Geology, Mining, and Metallurgy. Graduate work leading to the degree of Master of Science in these respective branches is also offered.

SITUATION

Moscow is situated at the heart of the most diversely productive mineral region of the world. Within a radius of 300 miles has been produced mineral worth more than \$2,000,000,000, most of it within the last twenty-five years. Within this area will be found the richest copper mines and the largest copper smelter in the world (Butte and Anaconda), the greatest silver-lead district in existence (the Coeur d'Alene), and the largest electrolytic zinc plant yet built (Great Falls). In addition to these there lies within this circle a great multitude of moderate-sized mining enterprises, including the placer and quartz mines of central Idaho, the lead, copper, gold, and silver mines of Blaine, Boise, Boundary, Bonner, Custer, Elmore, and Lemhi counties, the magnesite mines of northern Washington, and the coal mines of western Washington. This circle cuts the forty-ninth parallel and includes within its bounds the copper-gold mines of the Rossland and Boundary districts, and the silver-lead properties of East Kootenay, with their accompanying smelters and reduction plants, which are themselves among the most important in the British Empire.

Thus the student at the School of Mines is within easy reach for illustration and for summer employment of almost every form of mining and metallurgical operation.

of the Shoshone county scholarship in the School of Mines heretofore awarded thru the generosity of Mr. Day.

ADMISSION

For a statement of admission requirements, see page 17.

CURRICULA

Students in all three curricula, viz., Geology, Mining, and Metallurgy, take the same work in the Freshman year. It will be unnecessary for the student until the beginning of his Sophomore year to indicate which curriculum he expects to follow. In this way he can gain an idea of the field and make his choice with greater knowledge and foresight.

COMMON FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Min. 1. Mineral Industry	1	Min. 2. Mineral Industry	1
Eng. 1. English Composition ...	3	Eng. 2. English Composition ...	3
Math. 1. Freshman Math.	4	Math. 2. Freshman Math.	4
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 1. Engineering Drafting ...	4	C.E. 2. Descriptive Geometry....	3
Mil. 1. Freshman Military	2	Mil. 2. Freshman Military	2
Total.....	18	Total.....	17

Geological Option

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Geol. 1. General Geology	4	Geol. 2. Historical Geology	4
Chem. 3. Qualitative Analysis ...	4	Chem. 4. Quantitative Analysis..	4
Phys. 1. General Physics	5	Phys. 2. General Physics	5
Mil. 3. Sophomore Military	2	Eng. 5. Advanced Composition....	3
Elective	4	Mil. 4. Sophomore Military	2
		Elective	1
Total.....	19	Total.....	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Selected from Specified List	15	Selected from Specified List	15
C.E. 3. Surveying	4	C.E. 4. Surveying	3
Total.....	19	Total.....	18

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Selected from Specified List	15	Selected from Specified List	15
Total.....	15	Total.....	15

SPECIFIED LIST FOR GEOLOGICAL OPTION

Geology (required)	30 credits (including thesis)
Metallurgy (required)	10 "
Mining (required)	10 "
Chemistry not to exceed	10 "
Physics not to exceed	10 "
Foreign Language not to exceed	10 "
Economics not to exceed	10 "

Mining and Metallurgical Options

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Geol. 1. General Geology	4	Geol. 2. Historical Geology	4
Math. 21. Calculus	4	Math. 22. Calculus	4
Phys. 11. Engineering Physics...	5	Phys. 12. Engineering Physics...	5
Chem. 3. Qualitative Analysis...	4	Chem. 4. Quantitative Analysis...	4
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
Total.....	19	Total.....	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Selected from Specified List	15	Selected from Specified List	10
C.E. 3. Surveying	4	Eng. 5. Advanced Composition...	3
		C.E. 6. Mechanics (Statics)	3
		C.E. 4. Surveying	3
Total.....	19	Total.....	19

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Selected from Specified List	15	Selected from Specified List	15
C.E. 103. Mech. of Materials	3		
Total.....	18	Total.....	15

SPECIFIED LIST FOR MINING OPTION

Mining Engineering (required)	10 credits (including thesis)
Metallurgy (required)	10 "
Geology (required)	20 "
Chemistry not to exceed	10 "
Civil Engineering not to exceed	10 "
Electrical and Mechanical Engineering not to exceed	10 "
Economics not to exceed	10 "
Military Science and Tactics	10 "
	—
	90 "

SPECIFIED LIST FOR METALLURGICAL OPTION

Metallurgy (required)	20 credits (including thesis)
Geology (required)	10 "
Mining Engineering (required)	10 "
Chemistry not to exceed	20 "
Civil Engineering not to exceed	10 "
Electrical and Mechanical Engineering not to exceed	10 "
Economics not to exceed	10 "
Military Science and Tactics	10 "
	—
	90 "

THE SCHOOL OF FORESTRY

FRANCIS GARNER MILLER, M.F..... *Dean of the School*

HISTORY

The School of Forestry of the University of Idaho was established in 1909, and was administered as a department until August, 1917, when, on the recommendation of the Commissioner of Education and the President of the University, it was organized as an independent school, thus placing it on a par with the other independent divisions of the University.

PURPOSE

The forestry problems of Idaho are many-sided, complex, and important. Economic operation, conservation, and reforestation are vital questions, in the final solution of which the United States Government, the State, including its educational system, and the lumber industry must cooperate. The function of the School of Forestry is to assist in the solution of these problems by affording facilities for instruction in forestry, and by encouraging the scientific management of forest resources. The success of the School depends on the magnitude of its field, on the independent position which it occupies by virtue of its relation to the public-school system, its scientific bearing and standards, and the close relations which it maintains with the public schools, the lumber industry, and the agencies of the state and national governments.

LOCATION

The School has exceptional advantages for developing practical foresters and lumbermen, as it is within a short distance of heavy forests and large lumber camps. Some of the largest sawmills and logging camps in the United States are but a short ride from the campus. Every possible phase of the lumber industry is concentrated within a few miles of Moscow.

Excursions are made at all seasons of the year to sawmills, logging camps, and virgin and cut-over forests in order that practical field-work in every part of the subject may be had.

EQUIPMENT

ARBORETUM AND NURSERY

The School of Forestry maintains an arboretum and forest nursery adjoining the University campus. This tract comprises some twelve acres, in which are growing about 180 species of trees. Parts of the arboretum are already beginning to show natural pruning and thinning.

There is thus afforded right at hand an exceptional opportunity to forestry students and others for making studies in dendrology and silviculture. To encourage the establishment of wood-lots and windbreaks and the planting of shade and ornamental trees, the School supplies forest and shade trees to the people of the state at approximate cost.

LABORATORIES

Laboratory equipment and the use of the arboretum and nursery, together with the frequent trips that are taken to the forests, provide ample facilities for the study of mensuration, silviculture, dendrology, wood technology, logging engineering, and lumbering, and by-products.

The mensuration laboratory is equipped with apparatus sufficient to meet the demands of the School in cruising and in making studies of growth and yield. The laboratory in dendrology is provided with a tree herbarium and a large collection of tree seeds and cones. In wood technology a complete line of wood samples is available for the identification of woods—also a set of microscopic slides of native woods. The laboratory is equipped with compound microscopes and ample facilities for the preparation of wood sections. For study of logging engineering and lumbering a variety of logging apparatus is available—also a large collection of lumber, showing grades and standard sizes. A by-products laboratory has been fully equipped with a large, semi-commercial distillation retort, a superheater, and two small retorts, together with a full line of chemicals and apparatus for the analysis and standardization of the various by-products obtained from wood. Greenhouse space is provided, thus making possible germination tests and studies in seedling growth at all seasons of the year. Auto trucks are provided for field trips, and for six weeks at the close of the Junior year the work of the class is transferred entirely to the field.

FEES AND EXPENSES

For fees and expenses, see page 21.

ADMISSION AND DEGREES

For a statement of admission requirements, see page 17.

Curricula are offered in the School of Forestry leading to the degrees of Bachelor of Science in Forestry, and Master of Science in Forestry.

CURRICULA

Owing to the demands made on the School of Forestry for men trained in special lines of forestry work it has been necessary to differentiate the subjects taught into three four-year curricula. The first is known as the Curriculum in General Forestry and is designed to prepare students for work in the Forest Service, with state governments, or in private forestry. The second is known as the Curriculum in Logging Engineer-

ing and is designed to prepare young men to be of service with lumber manufacturers and loggers, or with timber owners who desire to secure foresters who have had more than the usual amount of training in mechanics and allied subjects, thus fitting themselves to become logging engineers. The third is the Curriculum in Grazing and is designed to prepare young men for all lines of grazing work with the Forest Service and with livestock companies. Opportunity is given also for specialization in forest products or in the lumber business. A three-months Ranger Course is maintained for those who desire a shorter course.

Students in all four-year curricula in the School of Forestry take the same work in the Freshman year, as follows:

COMMON FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition ...	3	Eng. 2. English Composition ...	3
Math. 1. Freshman Mathematics..	4	Math. 2. Freshman Mathematics..	4
For. 1. Elements of Forestry ...	2	For. 10. Dendrology	3
Bot. 1. General Botany	4	Bot. 2. General Botany	4
C.E. 1. Engineering Drafting ...	2	C.E. 2. Engineering Drafting ...	2
Mil. 1. Freshman Military	2	Mil. 2. Freshman Military	2
Total.....	17	Total.....	18

Curriculum in General Forestry

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 1. Principles of Economics	3	Econ. 2. Principles of Economics	3
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 3. Plane Surveying	3	C.E. 4. Topographic Surveying ...	3
For. 21. Forest Resources of the World	2	For. 24. Practice of Silviculture	3
For. 23. Forest Ecology	3	For. 54. Recreational Uses of the Forest	2
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
Total.....	17	Total.....	17

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 1. General Physics	4	Phys. 2. General Physics	4
For. 151. Range Management ...	3	Bot. 102. Plant Physiology	4
For. 61. Fire Protection	2	For. 132. Timber Physics	2
For. 131. Wood Technology	4	For. 140. Forest Economics	2
For. 153. Forest Mensuration ...	3	For. 154. Forest Mensuration ...	3
Elective	2	Elective	3
Total.....	18	Total.....	18

SENIOR YEAR

FIRST SEMESTER		*SECOND SEMESTER	
Course	Credits	Course	Credits
For. 133. Forest By-Products ...	3	For. 117. Adv. Dendrology	2
For. 135. Wood Preservation ...	3	For. 156. Forest Management ...	3
For. 141. Forest Hist. & Policy	3	For. 164. Forest Pathology	2
For. 155. Forest Management ...	3	For. 172. Lbr. Mfg. & Distribut.	3
For. 171. Logging	3	For. 174. Forest Engineering	2
Elective	3	For. 180. Thesis	2
Total.....	18	Zool. 64. Forest Entomology	3
		Total.....	17

Total credits required for graduation. 140.

*The work of the Senior year during the month of May is carried on entirely in the field. Students should allow about \$25.00 extra for this field trip.

Curriculum in Logging Engineering

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 1. Prin. of Economics	3	Econ. 2. Prin. of Economics	3
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 3. Plane Surveying	3	C.E. 4. Topographic Surveying ..	3
Math. 21. Calculus	4	Math. 22. Calculus	4
For. 23. Forest Ecology	3	For. 24. Practice of Silviculture. 3	
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
Total.....	19	Total.....	19

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Phys. 1. General Physics	4	Phys. 2. General Physics	4
C.E. 107. Railroad Engineering..	5	For. 132. Timber Physics	2
For. 61. Fire Protection	2	For. 140. Forest Economics	2
For. 131. Wood Technology	4	For. 154. Forest Mensuration ..	3
For. 153. Forest Mensuration ..	3	C.E. 6. Mechanics (Statics)	3
		Elective	2
Total.....	18	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
C.E. 101. Mechanics (Analytics) 5		For. 156. Forest Management ...	3
For. 133. Forest By-Products ...	3	For. 164. Forest Pathology	2
For. 135. Wood Preservation ...	3	For. 172. Lbr. Mfg. & Distribution 3	
For. 155. Forest Management ...	3	For. 174. Forest Engineering	2
For. 171. Logging	3	For. 180. Thesis	2
		Elective	4
Total.....	17	Total.....	16

Total credits required for graduation, 140.

Curriculum in Grazing

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 1. Prin. of Economics	3	Econ. 2. Prin. of Economics	3
Chem. 1. General Chemistry	4	Chem. 2. General Chemistry	4
C.E. 3. Surveying	3	C.E. 4. Surveying	3
For. 23. Forest Ecology	3	For. 24. Practice of Silviculture 3	
Geol. 1. General Geology	3	For. 54. Recreational Uses of the Forests	2
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
Total.....	18	Total.....	17

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Bot. 13. Systematic Botany	3	Bot. 102. Plant Physiology	4
An. Hus. 1. Market Types of Livestock	3	Bot. 14. Systematic Botany	3
For. 61. Fire Protection	2	Agron. 6. Origin & Classification of Soils	2
For. 151. Range Management ...	4	For. 140. Forest Economics	2
For. 131. Wood Technology	3	For. 152. Native Forage Plants ..	3
For. 153. Forest Mensuration ...	3	For. 154. Forest Mensuration ..	3
Total.....	18	Total.....	17

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
For. 133. Forest By-Products ...	3	For. 156. Forest Management ...	3
For. 141. Forest Hist. & Policy..	3	For. 164. Forest Pathology	2
For. 155. Forest Management ...	3	For. 172. Lbr. Mfg. & Distribution	3
For. 171. Logging	3	For. 174. Forest Engineering ...	2
Elective	6	For. 180. Thesis	2
		Zool. 64. Forest Entomology	3
		Elective	2
Total.....	18	Total.....	17

RANGER COURSE

January 4 to March 26

SCOPE

The curriculum covers twelve weeks and is given at a time when those wishing to take advantage of it may best get away from their regular work. The course is of high school grade, hence high school training, tho highly desirable, is not absolutely necessary for admission. The work consists of laboratory and field exercises, and lectures by the Faculty, Forest Service officials, lumbermen, and others.

FOR WHOM INTENDED

The Ranger Course is designed to meet the needs of rangers and guards wishing to prepare themselves for more rapid advancement; also for men connected with some phase of the timber industry who wish to acquire a knowledge of the general principles of forestry, but who cannot spare the time for a fuller course. It should be understood that the minimum age limit of an applicant for the forest ranger examination is 20 years, and 21 years for appointment.

FACILITIES AND EQUIPMENT

Every facility of the School of Forestry is offered to short-course students just as fully as to the students of the long course. The equipment for handling the work is complete and up-to-date. Those wishing to specialize in grazing will find unusual opportunity to study the leading types of animals at the University Farm.

EXPENSES

A. S. U. I. fee, \$4.25; health fee, \$1.25; general deposit, \$5.00; books, drawing instruments, and field trips, \$25.00; board and room, \$30.00 to \$35.00 a month. To the above should be added items for laundry and incidentals, which will vary according to the habits and tastes of the student. The total expense for the three months, exclusive of the cost of travel, need not exceed \$150.00.

WHY ATTEND

Young men never had so many reasons for making thoro preparation for their work as right now. This is especially true of those engaged in

forestry and the forest industries, as the demand for men trained in these lines is in excess of the supply, and opportunities for advancement were never better. This course will put a young man in line to share these opportunities.

RANGER CURRICULUM

COURSE	CREDITS
For. A Forest Administration	3
For. B Tree Identification	3
For. C Silviculture	3
For. D Scaling and Cruising	3
For. E Surveying and Mapping	3
For. F Forest Protection and Improvements	2
For. G Mechanical Drawing	2
Elective from the following courses:	3
For. H Grazing	2
Eng. English Composition	3
Ag. Veterinary Science	1½
Ag. Animal Husbandry	1½
First Aid to Injured	½
E.E. Telephone Construction	1
Total.....	22

For a description of courses, see under Forestry in Part IV of the catalog.

THE SCHOOL OF EDUCATION

J. FRANKLIN MESSENGER, PH.D.....*Dean of the School*

CLAUDE C. CRAWFORD, PH.D.....*Secretary of the Faculty*

The organization of the School of Education as an independent unit of the University of Idaho was authorized by the Board of Regents in June, 1920.

The work of the School consists in training high-school teachers, principals, superintendents, and supervisors. The services of the School will be at the disposal of teachers who wish to improve themselves while in service, of school trustees who wish assistance in securing teachers, and of teachers who wish to secure positions in the high schools of the state.

FEES AND EXPENSES

For a statement of fees and expenses see page 21.

SUGGESTIONS AS TO CHOICE OF COURSES

Students who wish to teach are advised to keep the following points in mind when planning their courses. A teacher should be well grounded in the use of the English language, and should begin early to form the habit of careful use of the native tongue; he should acquire as large a fund of general information as possible, and cultivate a wide range of

interests in order to talk intelligently and sympathetically with pupils having a great variety of interests and ambitions; he should be prepared to teach two subjects well (he may be called upon to teach more subjects, but two are enough for specialization); he should be professionally prepared for his work.

The teacher's professional preparation consists in the study of (1) the nature of the pupils to be educated; (2) the making of curricula; (3) systematic methods of choosing and presenting materials so that the pupils may be formed as well as filled; (4) the meaning of education and its place in the civilization which we enjoy and help to make; and, finally, (5) a teacher should have a personal philosophy of life, which gives him character.

PRACTICE TEACHING

The public high school of the city of Moscow is used for practice teaching. The superintendent of the city schools is director of practice teaching and professor of school administration in the University. Actual school-room conditions are thus provided for observation and for teaching.

ADMISSION

For a statement of admission requirements see page 17.

DEGREE

Upon completion of all requirements the degree of Bachelor of Science in Education will be given.

CERTIFICATES

Graduates of the School of Education receive a state high-school teacher's certificate, issued by the State Board of Education upon recommendation of the Dean. It is common also for other states to accept this recommendation and issue certificates. The number of credits in Education required for a certificate in the different states varies from ten to twenty-four. All students must pass the course in Idaho Law, Manual and Civics.

POSITIONS

The School of Education maintains a registration bureau for securing positions for teachers. No charge is made for this service. The number of calls for teachers far exceeds the number of candidates. Our first thought is for the home state, but many calls come from other states, and when students wish to go elsewhere assistance is cheerfully given to them. Graduates are urged to keep in touch with the School in order to be in line for deserved promotions.

SHORT COURSE

For the benefit of those students who cannot remain in college for the four years consecutively, a special short course is provided. A student

who completes the Sophomore year, with ten credits in Education, will receive a state elementary certificate, upon recommendation of the Dean. This makes it possible for a student to teach one or more years and then return and finish the course for the degree, without break in continuity of the work.

PSYCHOLOGY LABORATORY

In the Psychology laboratory, tables and apparatus are available to satisfy the demands of fifty students working at one time on experimental problems in sensation, memory, association, reaction time, learning, attention, and mental testing. The Department is now well equipped to do work in experimental psychology.

GENERAL CURRICULUM

As early as possible a student should select two subjects which he expects to teach. He must take enough work in each of these subjects to be prepared to teach it. It is advisable to do more than the minimum amount required. It is expected that a part of the free electives will be chosen in the major fields or in closely related fields. A student may be allowed to specialize in one subject.

The minimum requirements in English are 24 credits; in mathematics, physics and chemistry, 16 credits; in other academic subjects, 18 credits. (For music, see page 60.)

To satisfy the requirements for the degree, 36 credits must be taken in courses numbered 100 or above.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition	3	Eng. 2. English Composition	3
Mil. 2. Freshman Military or		Zool. 8. Heredity and Eugenics.....	2
P.E. 2a-2b. Freshman Course	2	Mil. 1. Freshman Military or	
Zool. 1. General Zoology	4	P.E. 1a-1b. Freshman Course	2
Ed. 9. Methods of Study	2	**Phys. 02. Elementary Physics....	5
*Elective	5	*Elective	4
Total.....	16	Total.....	16

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Psych. 1. General Psychology.....	4	Psych. 2. Educational Psychology	3
Eng. 11, 13 or 15. Literature.....	2-3	Eng. 12, 14, or 16. Literature.....	2-3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
*Elective	6-7	*Elective	8-10
Total.....	16	Total.....	16

*Major subjects are included in these electives. Mathematics or one semester of science in addition to Psychology, Zoology, and Physics is required. This may be taken in any year.

**Physics is not required of students who have had it in high school.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 141. Prin. of Sociology.....	3	Econ. 142. Prin. of Sociology.....	3
Ed. 105. History of Education.....	3	Ed. 106. History of Education.....	3
†Ed. 5. Idaho School Law.....	3	Zool. 10 or 12. Social Hygiene.....	2
*Elective	7	*Elective	8
Total.....	16	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Ed. 113. Secondary Education.....	3	Ed. 131. Observation & Practice	3
Methods	2	Philosophy or History	3
Philosophy or History	3	*Elective	10
*Elective	8		
Total.....	16	Total.....	16

NOTE.—Students entering the University with two years' advanced credit will not be required to take Zoology and Physics.

Students majoring in a foreign language may substitute language for one science, with the permission of the Dean of the School.

Agricultural Education

Students in the College of Agriculture may secure State Certificates by taking eleven credits in Education under the direction of the Professor of Agricultural Education. For Smith-Hughes work the following courses in Education are required:

	Credits
Rural Life and Education	3
Principles of Teaching	3
Methods of Teaching High-School Agriculture	3
Observation and Practice	1-3
Vocational Education	2

Home Economics

Students in the Department of Home Economics may secure State Certificates by taking the following courses in Education:

	Credits
Principles of Teaching	3
Secondary Education or High-School Methods	3
Methods of Teaching Home Economics	3
Observation and Practice	5
Idaho Law, Manual and Civics	3

Physical Education for Men

Men who wish to teach Physical Education and coach athletics may receive the degree in Education by following the General Curriculum and choosing Physical Education as one of the two subjects for special-

*Major subjects are included in these electives. Mathematics or one semester of science in addition to Psychology, Zoology, and Physics is required. This may be taken in any year.

†School Law and Manual may be taken in any year. This course is required for an Idaho certificate.

ization. (See page 97.) The following courses comprise the work in this subject:

	Credits
Freshman Physical Education	4
Sophomore Physical Education	4
Coaching	4
Teacher's Course in Gymnastics	2
Electives in Physical Education	2
Social Hygiene	2
Heredity and Eugenics	2
Total.....	20

Physical Education for Women FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. English Composition.....	3	Eng. 2. English Composition.....	3
Ed. 9. Methods of Study	2	P.E. 2a. Elementary Gymnastics.....	1
P.E. 1a. Elementary Gymnastics.....	1	P.E. 2b. Personal Hygiene	1
P.E. 1b. Personal Hygiene	1	P.E. 2c. Pageantry & Festivals.....	2
Zool. 1. General Zoology	4	Zool. 2. General Zoology	4
*Elective	5	*Elective	5
Total.....	16	Total.....	16

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 11. Dev. of Eng. Lit.....	3	Eng. 12. Dev. of Eng. Lit.....	3
P.E. 3. Advanced Gymnastics	1	P.E. 4. Advanced Gymnastics.....	1
P.E. 9. Esthetic Dancing	1	P.E. 10. Esthetic Dancing.....	1
P.E. 21. Playground Supervision.....	2	Psych. 2. Educational Psychology.....	3
P.E. 23. Hist. of Physical Ed.....	1	Zool. 10. Social Hygiene	2
Psych. 1. General Psychology.....	4	Zool. 104. Human Anatomy	2
Zool. 103. Human Anatomy.....	2	*Elective	4
*Elective	3		
Total.....	16	Total.....	16

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 141. Sociology	3	Econ. 142. Sociology	3
Ed. 105. History of Education.....	3	Ed. 106. History of Education.....	3
Eng. 31. Fundamentals of Speech	2	P.E. 12. Advanced Esthetic Dancing	1
P.E. 11. Advanced Esthetic Dancing	1	P.E. 140. Methods of Gymnastic Teaching	2
P.E. 125. Management of Women's Athletics	2	Zool. 105. Physiology	3
Zool. 106. Physiology	3	*Elective	4
*Elective	2		
Total.....	16	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
P.E. 11. Practical Gymnastics.....	1	Ed. 5. Idaho Law and Manual.....	3
Ed. 113. Secondary Education.....	3	P.E. 112. Practical Gymnastics.....	1
P.E. 143. Practice Teach. in P.E.	3	P.E. 120. Remedial Gymnastics.....	2
P.E. 123. First Aid	1	*Elective	10
*Elective	8		
Total.....	16	Total.....	16

*Each student must elect one of the following subjects and complete at least two years' work in it: Botany, Chemistry, Economics, English, Geology, History, Mathematics, Foreign Language, Physics, Psychology, Philosophy. Also, to complete the requirements for the degree, at least 36 credits must be taken in courses numbered 100 or above.

Commercial Subjects

In cooperation with the Department of Economics a special curriculum is offered for those who are preparing to teach commercial subjects in high schools. On completion of the work students will receive the degree, B.S. in Education.

FRESHMAN YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Eng. 1. Composition	3	Eng. 2. Composition	3
Foreign Language	3- 5	Foreign Language	3- 5
Science or Mathematics	4	Science or Mathematics	4
Econ. 21. American Government..	3	Econ. 22. American Government..	3
Mil. 1. Freshman Military or		Mil. 2. Freshman Military or	
P.E. 1a-1b. Freshman Course.....	2	P.E. 2a-2b. Freshman Course	2
Econ. 15. Business Ethics	½	Econ. 16. Business Ethics	½
Total.....	15½-17½	Total.....	15½-17½

Two of the following courses must be studied at some time in the curriculum: Botany, Zoology, Physics, Chemistry, Geology.

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 11. Prin. of Economics	4	Econ. 12. Prin. of Economics	4
Econ. 61. Typewriting	2	Econ. 62. Typewriting	2
Econ. 65. Gregg Shorthand	3	Econ. 66. Gregg Shorthand	3
Mil. 3. Sophomore Military	2	Mil. 4. Sophomore Military	2
or		or	
P.E. 3. Sophomore Course	1	P.E. 4. Sophomore Course	1
Elective	5- 6	Elective	5- 6
Total.....	16	Total.....	16

In the Sophomore year or later six credits must be secured in Philosophy or in History.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Psych. 1. General Psychology.....	4	Psych. 2. Educational Psych.	3
Ed. 105. History of Education.....	3	Ed. 106. History of Education.....	3
Econ. 81. Prin. of Accounting	3	Econ. 82. Prin. of Accounting.....	3
Econ. 71. Dictation	3	Econ. 72. Dictation	3
Elective and Gen. Reqmnts.	3	Elective and Gen. Reqmnts.	4
Total.....	16	Total.....	16

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
Course	Credits	Course	Credits
Econ. 165. Business Law	2	Econ. 166. Business Law	2
Ed. 113. Secondary Education	3	Econ. 192. Methods in Com. Teach. 3	
Elective	11	Ed. 131. Observ. and Prac. Teach. 3	
		Elective	8
Total.....	16	Total.....	16

PART III

THE EXPERIMENT STATION

UNIVERSITY EXTENSION

THE SUMMER SCHOOL

GRADUATE STUDY

THE AGRICULTURAL EXPERIMENT STATION

E. J. IDDINGS, M.S.....*Director*
 GRACE BENNETT*Secretary of the Staff*
 R. E. NEIDIG, M.S.....*Chairman of the Project Committee*
 G. R. MCDOLE, M.A.....*Chairman of the Publication Committee*

OBJECTS

In compliance with an enabling act of Congress approved March 2, 1887, the Idaho Agricultural Experiment Station became an integral part of the State University at the time of its organization. That act, commonly known as the Hatch Act, defines the scope and activities of state experiment stations as follows:

"That it shall be the object and duty of said Experiment Stations to conduct original researches, or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantage of rotative cropping as pursued in a varying series of crops; the capacity of new plants or trees for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial, with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of different kinds of foods for domestic animals; the scientific and economic questions in the production of butter and cheese; and such researches or experiments bearing directly on the agricultural industry in the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective States and Territories."

The Adams Act, approved March 16, 1906, doubled the original federal funds available for experimentation and research. The Hatch Act made possible the beginning of scientific investigation of problems peculiar to Idaho's agriculture; the Adams Act expressly sanctions and encourages original research along agricultural lines. These federal funds are supplemented by state appropriations for the investigation of special problems and for the maintenance of substation farms where some of the work can be most advantageously carried on. During the last biennium funds were available for the work of the Experiment Station, derived as follows: Federal appropriation, \$60,000, State ap-

appropriation, \$66,000, together with the income from the several stations, amounting to approximately \$20,000.

ORGANIZATION AND WORK

The organization of the Agricultural Experiment Station is practically the same as that which prevails in the College of Agriculture. Under the general supervision of a director, the work of investigation is carried on by departments, of which there are now eleven, viz: Agricultural Engineering, Agronomy, Animal Husbandry, Bacteriology, Agricultural Chemistry, Dairy Husbandry, Entomology, Horticulture, Plant Pathology, Poultry Husbandry. Each department has a broad conception of its duties and influences and is pushing actively the work it has inaugurated for the ultimate benefit of the agricultural industry it represents. Some of the most important lines of investigation in progress are: feeding experiments with sheep, hogs, and beef and dairy cattle; study of feeds; a study of the bacterial flora of the cut-over and burned-over lands; experiments for the control of insect pests; investigations of the chemical properties and productive possibilities of the timber soils, and of alkali soils; variety tests of wheat, oats, barley, peas, and potatoes; a test of soiling crops; experiments in the duty of water; an investigation of alkali soils; factors affecting the elaboration of protein in the wheat kernel; utilization of by-products in fruit and vegetable growing; cabbage culture; spraying and pruning experiments; variety tests in vegetable growing; relation of soil moisture to smut control; and feeds for egg production. Seventy separate projects represent the activity of the Experiment Station staff at this time.

The general administration of the pure seed law is entrusted to the Director of the Experiment Station. The actual enforcement of the law, however, is delegated to a Pure Seed Commissioner who has established a laboratory in the State House at Boise with a branch laboratory on the University Campus at Moscow.

LABORATORIES AND OTHER FACILITIES

The departments of Bacteriology, Agricultural Chemistry, Horticulture, Plant Pathology, and Soils Technology have well equipped research laboratories in Morrill Hall. An entomological field laboratory is maintained at Parma. At the foot of the campus greenhouse facilities are provided for such lines of investigation as require them. The college farm of 385 acres supports splendid herds of beef and dairy cattle, hogs, and sheep, from which individual animals are selected for experimental feeding purposes. This farm also provides experimental fields of ample dimensions for the use of the departments of Agronomy, Chemistry, Horticulture, and Plant Pathology, and breeding-pens for the department of Poultry Husbandry.

Farming conditions within the state are so varied that it is necessary to conduct many lines of investigation away from the central station.

The sub-station farms are admirably located for this purpose. On the Sandpoint farm experiments designed to point the way to the profitable utilization of the cut-over and burned-over lands are in progress. The farm at Aberdeen is used for experiments in crop production under irrigation. The Caldwell sub-station supports a dairy herd and other livestock and is used for investigations in diversified farming. A feeding plant erected there in 1919 provides for 144 head of cattle and from 700 to 1000 head of sheep. The High Altitude Sub-station at Felt is established for the conduct of experiments in the growing of grains and grasses which give promise of adaptability to elevations of more than 6000 feet. Additional points of contact with agricultural problems are maintained by means of eight summer field stations. The splendid public spirit of citizens in the several localities has made possible the work now in progress on these farms. In the work at Aberdeen the United States Department of Agriculture, thru its Bureau of Plant Industry, is co-operating.

PUBLICATIONS

The practical results of investigations are freely used in the class rooms of the Agricultural College, and as rapidly as possible are printed in the form of bulletins for general distribution to the farmers of the state and to others who may ask for them. Up to the present time a total of 138 bulletins, forty circulars, and twenty-eight technical papers have been published. A list of those still available may be had upon request. The publications of the Experiment Station are free. The Station staff invites correspondence with farmers of the state upon subjects in which they are interested. General inquiries should be directed to the Experiment Station, special inquiries to such heads of departments as from their official designation are most likely to be able to give the information sought.

UNIVERSITY EXTENSION

NON-RESIDENT INSTRUCTION

The University of Idaho offers two kinds of non-resident instruction. First, for individual students, representative courses in most departments are given by correspondence. Secondly, where a number of persons desire the same subject, the University organizes a study group, which a member of the Faculty actively directs and, when it seems practicable, visits from time to time.

The courses offered non-resident students, with a few exceptions, carry full University credit and are identical with the resident courses of the same number. Students taking these courses must have the necessary prerequisites. A few non-credit courses are offered for which no prerequisites are necessary and which are open to the general public. Only those persons who in the judgment of the Committee on Non-Resident

Instruction cannot take the work in residence will be admitted to these courses.

CORRESPONDENCE STUDY

In courses offered by correspondence, the University furnishes study outlines and syllabi with a list of the books and other material required. Students purchase their own books. The number of assignments in each course varies. In some cases the lessons represent a week's work; in other cases, only a portion of a week's study. The assignments call for very definite work on the student's part, consisting of written reports or analysis, the solution of problems, or the investigation of special topics, as the nature of the course may demand.

Some of the reference books for the non-resident courses may be secured from the Loan Shelf of The Traveling Library at Boise, Idaho. Communications should be addressed to The Secretary of the Traveling Library, Statehouse, Boise, Idaho. Occasionally volumes may be lent from the University library if they are not needed by resident students.

EXAMINATIONS

To receive credit the student must take a written examination on the completion of each course. Other examinations may be required from time to time at the instructor's discretion. In supervising these examinations the University is glad to acknowledge the friendly cooperation of alumni, school officials, and other friends.

FEES

The uniform fee for correspondence courses is \$10 for each course representing a semester's work. In addition to this a small charge, usually one dollar, is made for postage. This covers in part the carriage charges on the lesson assignments and corrected reports from the University to the student.

STUDY GROUPS

Members of the University Faculty are glad to organize study groups where several persons wish to pursue the same subject. No absolute minimum is set, but organization of groups of fewer than five individuals is not recommended. Members of these study groups may, on fulfilling the necessary requirements and prerequisites, obtain University credit for their work. The fees for study groups vary in each case, depending on the size of the group and the subject studied. Where the group is large enough and the distance not altogether prohibitive, the member of the Faculty in charge of the course will meet the group in person at regular intervals.

All communications regarding non-resident instruction should be sent to the Secretary of the Committee on Non-resident Instruction, University of Idaho, Moscow, Idaho.

AGRICULTURAL AND HOME ECONOMICS EXTENSION

For many years the College of Agriculture of the University has rendered service to the farmers of the state thru farmers' institutes, judging at fairs, answering of letters of inquiry upon topics of interest to the farmer, and thru special meetings held in widely separated portions of the state.

Extension work, as it is known today, is largely an outgrowth of the Smith-Lever Act of Congress, approved May 8, 1914. With the aid of federal funds supplied by the terms of this act and special appropriations of the state, the Extension Division has accomplished, within the last few years, most remarkable results.

General administration of extension work in Idaho is in charge of the Director of Extension. The Director's office is at Moscow and offices of the state leaders and field specialists are at Boise. The county agricultural agents number eighteen. General supervision of the county agents is entrusted to a county agent leader. Home demonstration agents are supervised by a state leader. The state leader of boys' and girls' clubs directs the club work of the state, which has been very popular in the farming sections. Field specialists carry on carefully outlined projects of work largely thru the county agents, in horticulture, entomology, animal husbandry, dairying, agronomy, improvement of soils, poultry husbandry, and pure seed production.

Members of the extension staff are the field representatives of the University of Idaho. They are constantly working in the rural communities, assisting in every possible way in agricultural development and home improvement. Thru the Agricultural Extension service the work of the College of Agriculture of the University of Idaho has become state-wide, and this service is rendered by the institution not only to those near at hand, but also to those sections of the state farthest removed from the campus.

THE SUMMER SCHOOL

Nine-Weeks Term, May 25 to July 24, 1925.

Six-Weeks Term, June 5 to July 17, 1925.

J. F. MESSENGER, PH.D.....*Director*

ADMISSION

The courses of the Summer School are open on the same terms as those of the regular session, that is (a) to those presenting fifteen units from an approved high school (fourteen for conditional admission), and (b) to adult unclassified students qualified to enter upon the work. As far as possible, all credentials for prospective students should be mailed

in advance to the Committee on Admissions, University of Idaho, Moscow. Entrance examinations are not required.

CREDITS

Practically all courses offered are for University credit. Students desiring University credit will be required to pass the examinations given during the closing week of the session. A maximum of ten semester-credits may be earned during the session.

FOR WHOM INTENDED

In addition to regular undergraduate work of the College of Letters and Science and to a limited extent of the colleges of Agriculture and Engineering, exceptional opportunities are afforded for the following classes of persons:

1. College graduates who wish to specialize in some field or to begin work for advanced degrees.
2. Superintendents and principals who wish to acquaint themselves with recent progress in education or to study special problems.
3. High-school teachers who wish to advance in their special lines of work.
4. Supervisors and teachers of music, drawing, agriculture, and other special fields of work.
5. School teachers who wish to work for college credit.
6. Undergraduates who for some good reason find it desirable to shorten the period of their college course.
7. Recent high-school graduates who expect to enter the University in the fall and who wish to get in touch with the University before that time.

FACILITIES

The full resources of the University are offered for the Summer School in all departments in which courses are given. The University laboratories and libraries are open and offer especial facilities for advanced work. The faculty is made up in large measure of heads of departments.

REGISTRATION

Registration for the nine-weeks' Summer School will take place on Monday, May 25, and for the six-weeks' School on Friday, June 5.

EXPENSES

Regular students will be charged a tuition fee of \$5.00. An entertainment fee of \$2.00 is charged each student. Board is offered at \$6.00 a week, and rooms are \$1.50 and \$2.00.

BULLETIN

For the special bulletin of the Summer School address J. F. Messenger, Director of the Summer School.

GRADUATE STUDY

J. E. WODSEDALEK, PH.D.....*Director*

OBJECT

The aim of Graduate Study at the University of Idaho is to encourage and promote research and advanced work. While the graduate student is expected to assume the initiative and the responsibility, the purpose of this division is to provide him with the method of independent study and discipline of original research, to the ultimate end that he may contribute to the advancement of knowledge. Unhampered by restrictions that necessarily obtain in undergraduate work, he will come into freedom of association with older scholars, who will seek to make his work profitable to him by giving such aid and direction as he may need.

ORGANIZATION

Graduate Study is under the general supervision of the Director of Graduate Study. In its scope it covers the various schools and colleges of the University, namely: the College of Letters and Science, the College of Agriculture, the College of Engineering, the College of Law, the School of Mines, the School of Forestry, the School of Education, and the Agricultural Experiment Station. At least thirty departments within the above-named schools and colleges offer majors toward the Master's degree. Many of the departments offer several majors and thus the opportunities for specializing are extensive.

FACILITIES

All of the departments of the University are amply equipped for instruction in graduate courses and for carrying on research. The science departments are especially well equipped with apparatus and material to carry on original investigations of the highest order. Members of the staff frequently publish results of their research which are equivalent to doctorate dissertations. The equipment employed in these researches is at the disposal of graduate students properly qualified in their chosen fields.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

For the promotion of graduate study and research the University of Idaho awards a number of fellowships with annual stipends ranging from \$400 to \$750, and a number of scholarships with annual stipends ranging from \$100 to \$350.

The holders of these fellowships and scholarships pay no fees but are required to give limited assistance in the work of the department of their principal study—not, however, to such an extent as to interfere with their graduate work. The fellowships and scholarships are open to graduates of any university or college of recognized standing, and appointments are made for one year.

ADVANCED DEGREES

The following advanced degrees are offered: Master of Arts, M.A.; Master of Science, M.S.; Master of Science in Forestry, M.S. (For.); Master of Science in Agriculture, M.S. (Agr.); Master of Science in the respective branches of engineering, e. g., M.S. (C.E.), etc.; Master of Science in Metallurgy, M.S. (Met.); Master of Science in Geology, M.S. (Geol.); Master of Science in Education, M.S. (Ed.); Master of Science in Home Economics, M.S. (H.Ec.); Master of Science in Business, M.S. (Bus.); and Master of Architecture, M.Arch.

REGULATIONS

1. CONDITIONS OF CANDIDACY.—A graduate of one of the colleges of this University, or of another institution in which the requirements for the first degree are equivalent, may become a candidate for the Master's degree by making application on a blank form provided for the purpose. The application must be submitted for approval to the Committee on Graduate Instruction and Research not later than October 15. The Committee reserves the right to pass upon the suitability of the candidate's preparation in the major proposed.

2. NATURE AND AMOUNT OF WORK.—The minimum requirement shall be twenty-four credits. Not less than twelve credits shall be in the major department, and one or two minors shall be taken in related subjects. It is assumed that under normal circumstances approximately one-half of this work will be of a research character. Advanced undergraduate work not exceeding eight credits may be accepted in partial fulfillment of the requirements for the Master's degree.

3. RESIDENCE.—One year's resident work is required of every candidate who has not received a first degree at this University. Graduates of the University of Idaho may be permitted in special cases to spend one semester at some other approved institution. Upon the recommendation of the department in which the candidate takes his major, attendance upon a six-weeks summer session of the University of Idaho may be counted as a half-semester's residence. Three summer sessions, of nine weeks each, fulfill the residence requirement. No full-time instructor, research or demonstration worker in the University shall be granted a Master's degree for less than two years of graduate work.

4. CORRESPONDENCE STUDY.—Graduate work by correspondence shall in no case precede residence at the University. After residence, graduate

correspondence work may be taken in departments in which the student has been enrolled, but under no circumstances may such correspondence credits exceed twenty-five per cent of the total number required for a Master's degree. However, upon recommendation of the head of the department concerned, candidates for advanced degrees may take advanced undergraduate courses by correspondence without any of the above restrictions.

5. **PARTIAL ENROLMENT.**—Seniors who desire to do a certain amount of graduate work during their last semester in the University will be required to make application to the Committee in advance and may be counted as in graduate residence, if a majority of their credits are of graduate character, provided they have already satisfied the undergraduate residence requirement.

6. **THESIS.**—A thesis embodying the result of the student's research in his major subject must be submitted to the Committee on Graduate Instruction and Research not later than May 15 of the year in which the degree is to be conferred. This thesis must be defended by the candidate before a committee composed of the major professor, one minor professor, and a third member selected by the Committee on Graduate Instruction and Research. Any member of the University Faculty shall have the privilege of attending this examination and of questioning the candidate if he desires. A majority vote of this Committee shall be necessary for the acceptance of this thesis. Within twenty-four hours after the acceptance by the Committee, two typewritten copies of the thesis in specified form shall be deposited in the University library; until these conditions have been complied with, the candidate will not be recommended for graduation.

7. **GRADES.**—(a) In order to receive credit toward an advanced degree a student (i) may count no courses with grade below B in his major subject; (ii) may count no courses with grade below C in any subject; and (iii) must have a grade of B or better in at least one-half of the credits required in his minor subjects.

(b) A graduate student must receive an average of 4.500 in the work of any semester or summer session of graduate study in order to be eligible for registration the following semester or summer session.

8. **FEES.**—Before receiving the degree the candidate shall pay a diploma fee of five dollars.

DEPARTMENTS OF INSTRUCTION

The Department of Instruction is the central agency for the planning, coordination, and supervision of the instructional program of the University. It is responsible for the development of the curriculum, the selection of textbooks, the preparation of course outlines, and the supervision of the teaching process. The Department also maintains a central file of course outlines and textbooks, and it provides a central clearinghouse for the exchange of information and materials among the various departments of the University.

AGRICULTURAL EXPERIMENT STATION

Professor Nelson, Station, Ames, Iowa

The Agricultural Experiment Station is a research organization which is concerned with the study of the problems of agriculture. It is the principal agency for the advancement of the knowledge of the principles and practices of agriculture, and it is the principal source of information on the latest developments in the various branches of the agricultural sciences. The Station also conducts a variety of practical experiments in the various branches of agriculture, and it disseminates the results of its researches to the farming community through its publications and its extension work.

PART IV

DEPARTMENTS OF INSTRUCTION

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DEPARTMENTS OF INSTRUCTION

NOTE.—Courses with odd numbers are given in the first semester; those with even numbers, in the second semester; courses numbered 1-2, 3-4, etc., continue thru the year. A course which may cover the same subject matter in either semester has an odd number.

It will be observed that courses primarily for undergraduates are numbered between 1 and 99; courses for advanced undergraduates and graduates, between 100 and 199; and courses primarily for graduates, 200 and above.

AGRICULTURAL CHEMISTRY

Professor NEIDIG, Assistant Professor SNYDER

Courses 1, 2, and 13 in General Chemistry are prerequisite. Students desiring to specialize in professional agriculture are urged to take the more complete courses—1, 2, 3, 4, and 101-102—in General Chemistry. Course 106 should be taken during the second semester of the Junior year, while Course 112 is open to Seniors.

Primarily for Undergraduates

2 GENERAL AGRICULTURAL CHEMISTRY 2 credits Second semester

Lectures on chemistry as applied to agriculture, including the following topics; the chemical principles that underlie the growth and nutrition of farm crops; their composition and utilization in animal nutrition; soils, fertilizers, and manures; milk and dairy products; insecticides and fungicides; paints; and motor fuels and oils. (NEIDIG)

2a APPLIED AGRICULTURAL ANALYSIS 2 credits Second semester

This laboratory course closely supplements Course 2. A knowledge of the composition of grains, feeding stuffs, soils, fertilizers and manures, milk and its products is secured thru analysis; of insecticides and fungicides by their synthesis and analysis; of motor fuels and oils by analysis. Experiments are made with proteins, fats, and carbohydrates, using enzymes to demonstrate the cleavage products formed during digestion. Two laboratory periods of three hours each. (NEIDIG, SNYDER)

For Advanced Undergraduates and Graduates

106 CHEMISTRY OF DAIRY PRODUCTS 2 credits Second semester

A laboratory course in the analysis of milk, butter, cheese, and other dairy products, designed to meet the needs of advanced students in dairying. Two three-hour laboratory periods a week. Prerequisites: Agr. Chem. 2, 2a. (NEIDIG)

112 SOIL CHEMISTRY $2\frac{1}{2}$ credits Second semester

This is an advanced course in soils, taking up the chemical nature of different soil types and discussing the relation of the elements to

crop production. Analyses will be made of various types of soil by use of standard methods, to determine the available and total soil constituents. A discussion of the methods used in soil analysis will be taken up, together with recommendations for the improvement of each soil type by interpreting the data secured by the student. One lecture and two laboratory periods a week. (SNYDER)

Primarily for Graduates

201-203-205 RESEARCH

Credits to be arranged

Soil chemistry, dairy chemistry, and nutrition. Students who have sufficient preparation in any of the above subjects and desire to carry on research, will be assigned special problems. (NEIDIG)

AGRICULTURAL EDUCATION

Professor ARMSTRONG, Mr. LATTIG

For Advanced Undergraduates and Graduates

150 EXTENSION METHODS IN AGRICULTURE 2 credits Second semester

A brief study of the methods of agricultural extension in use by county agents, agricultural college extension staffs, and high-school agriculturists. The course is designed to bring together, for the benefit of prospective workers in these fields, the accumulated knowledge and experience of the College Faculty and Extension Staff, various members of which will be utilized for purposes of instruction as they may be available. Elective for all Seniors. (ARMSTRONG AND OTHERS)

151 RURAL LIFE AND EDUCATION 3 credits First semester

A survey of the problems of rural social life in America and of the various movements for the improvement of rural life conditions; special attention to the problem of improved educational advantages for the country. Required in Agricultural Education Curriculum. (ARMSTRONG)

152 VOCATIONAL EDUCATION 2 credits Second semester

The meaning of vocational education; relation of vocational education to general education; history of vocational education; legislation leading up to the Smith-Hughes Act; the Smith-Hughes Act, its provisions and applications; administrative problems. Required in Agricultural Education Curriculum. (ARMSTRONG)

153 METHODS OF TEACHING HIGH-SCHOOL AGRICULTURE

3 credits

First semester

General methods of high-school teaching applicable to agriculture; special methods of organizing and presenting agricultural subject matter; texts, reference books, and equipment needed for the various courses; organizing and conducting projects; community

activities of the teacher of agriculture; reports. Required in Agricultural Education Curriculum. (ARMSTRONG)

154 VISUAL PRESENTATION 2 credits Second semester

Methods of presenting facts to the eye by means of graphs, maps, charts, pictures, slides, and the motion picture. Making of maps, charts, and lantern slides; care and operation of stereopticons and motion picture projectors. (ARMSTRONG)

155 OBSERVATION AND PRACTICE IN TEACHING AGRICULTURE

1-5 credits Second semester

Observation and practice teaching under supervision in the agricultural classes of the Moscow High School. Open only to students who have taken Agr. Ed. 153. Required in Agricultural Education curriculum. (ARMSTRONG, LATTIG)

Primarily for Graduates.

251 SEMINAR 1 to 4 credits Either semester

Open only to graduate students.

253 RESEARCH 1 to 4 credits Either semester

Students will be expected to present the results of the study in a thesis. Open only to graduate students.

AGRICULTURAL ENGINEERING

Associate Professor LEWIS, Mr. BERESFORD

Primarily for Undergraduates.

1 FARM SURVEYING 2 credits First semester

Use and care of instruments. Elementary surveying. One lecture and one three-hour laboratory period a week. (LEWIS)

2 ELEMENTARY DRAFTING 1 credit Second semester

Use of drafting instruments; lettering; sketching of simple machine parts; projections and working drawings. One three-hour laboratory period a week. (LEWIS)

4 FARM SHOP 1 credit Second semester

Shop work, consisting of the use and care of tools, soldering, babbiting, filing and pipe fitting; use of drills, taps and dies and reamers. One three-hour laboratory period a week. (BERESFORD)

5 CONCRETE 1 credit First semester

The theory and practice of building with plain concrete. Elementary work in reinforced concrete design. One three-hour laboratory period a week. (LEWIS)

8 FARM BUILDINGS 3 credits Second semester

The student is taught to letter, to sketch simple machine parts,

to design simple equipment, such as stock-feeding racks, stock shelters, manure pits, leading up to and including the designing of hog houses, poultry houses, garages, implement sheds and barns. After the preliminary work each student is given considerable freedom in his chosen field. One lecture and two three-hour laboratory periods a week. (LEWIS)

11 FARM WATER SUPPLY AND SANITATION 2 credits First semester

Sources and quality of water for domestic use, pumps, commercial water systems; disposal of household wastes, including the septic tank; methods of fire protection; principles of refrigeration; ventilation and heating of farm houses and buildings. Two lectures a week. (LEWIS)

32 FARM MACHINERY 2 credits Second semester

Study of the simple machines, leading to the study of the construction, care, adjustment, and operation of farm machinery. One recitation and one three-hour laboratory period a week. (BERESFORD)

34 GAS ENGINES 2 credits Second semester

Adjustment, operation, repair and testing of gas engines; locating troubles. Elements of electricity and magnetism, leading up to a study of battery and coil ignition. One recitation and one three-hour laboratory period a week. (BERESFORD)

35 TRACTORS 2 credits First semester

This course consists of a study of the construction, care, and operation of gasoline tractors. The laboratory work consist of the operation, adjustment, testing, and repair of gasoline tractors. One lecture and one three-hour laboratory period a week. Prerequisite: A.E. 34. The prerequisite may be waived at the discretion of the head of the Department. (BERESFORD)

61 IRRIGATION MEASUREMENTS 2 credits First semester

Installation of weirs and orifices for the measurement of irrigation streams; use of the current meter; determination of capacity and lay-out of farm ditches, flumes and pipe lines; preparation of land; distribution of water; pumping. One lecture and one three-hour laboratory period a week. (LEWIS)

For Advanced Undergraduates and Graduates

101 AGRICULTURAL ENGINEERING THESIS 1 credit Each semester

136 AUTOMOBILES 3 credits Second semester

Study of the construction, care, repair, and operation of the automobile. Two lectures and one three-hour laboratory period a week. Prerequisite: A.E. 34. The prerequisite may be waived at the discretion of the head of the Department. (BERESFORD)

- 137 FARM MACHINERY REPAIR 1 credit First semester
The adjustment and repair of the machines in common use on the farm. One three-hour laboratory period a week. (BERESFORD)
- 139 PRACTICAL ELECTRICITY 3 credits First semester
Includes the elementary principles of electricity and magnetism, general operation of electric generators and motors, study of construction and operation of storage batteries, farm lighting units, and house wiring. Two lectures and one three-hour laboratory period a week. (BERESFORD)
- 143 AUTO-ELECTRICS 2 credits First semester
Includes the study and operation of automobile starting, lighting, and ignition systems, and automobile storage batteries. One lecture and one three-hour laboratory period a week. Prerequisite: A.E. 34. The prerequisite may be waived at the discretion of the head of the Department. (BERESFORD)
- 162 IRRIGATION PRACTICE 2 credits Second semester
Use of irrigation water by crops; conservation of water; time and amount of irrigation; over-irrigation and alkali; application of water; irrigation institutions. Two lectures a week. (LEWIS)
- 163 IRRIGATION SYSTEMS 1 credit First semester
The operation and maintenance of irrigation systems, including the delivery of water and the keeping of records. One lecture a week. (LEWIS)

Primarily for Graduates

- 201-202 SEMINAR 1 credit Each semester
(LEWIS, BERESFORD)
- 203-204 RESEARCH Credits to be arranged Each semester
(LEWIS, BERESFORD)

AGRONOMY

Associate Professor HULBERT, Associate Professor McDOLE, Assistant Professor ———, Mr. REMSBERG

Primarily for Undergraduates

- 2 GRAIN CROPS 3 credits Second semester
Lectures, recitations, and laboratory work dealing with the history, distribution, classification, botanical characteristics, structure of the seed, cultural methods used in growing the crop, marketing, general value and uses of small grains and corn. Freshman year. Two lectures and one three-hour laboratory period a week. (HULBERT, ———)

3 FORAGE CROPS 3 credits First semester

A detailed study is made of the importance, climatic and soil adaptations, botanical relationships, distribution, cultural practices, seed production, and feeding value of the various forage crops grown in the United States. The laboratory time is devoted to a study of the botanical characteristics, identification of the plants and seeds of the crops studied. Sophomore year. Two lectures and one three-hour laboratory period a week. (HULBERT, ———)

*For Advanced Undergraduates and Graduates***101 PLANT BREEDING 3 credits First semester**

A study of the general principles of genetics, theories of heredity, evolution, variation, and Mendelism, including the application of these principles to crop and animal breeding. Junior year. Two lectures and one three-hour laboratory period a week. Prerequisites: Agron. 2 and 3. (HULBERT)

102 CROP IMPROVEMENT 2 credits Second semester

A continuation of Agron. 101, considering methods used in breeding crops and the practical application of the principles studied in the previous course. Two lectures. (HULBERT)

103 ADVANCED FARM CROPS 2 credits First semester

Lectures and assigned readings on special phases of grain and forage crop production. Botanical classification, varietal studies, and the judging of small grain, corn, and legumes, are covered in the laboratory. This course should be taken by students interested in competitive judging. Junior or Senior year. Three two-hour periods a week. Prerequisites: Agron. 2 and 3. (HULBERT)

104 COMMERCIAL GRADING AND MARKETING 2 credits Second semester

Lectures and assigned readings on the commercial grading and marketing of small grains, small seeds, and hay. In the laboratory, actual grading of samples is done, based on the Federal Grade Standards. This course should be taken by students in competitive judging. Junior or Senior year. One lecture and one three-hour laboratory a week. Prerequisites: Agron. 2 and 3. (HULBERT)

106 SEED ANALYSIS AND IDENTIFICATION 2 credits Second semester

Lectures cover methods of dissemination of weeds, habits of growth, and control measures; legislative measures for the regulation of the sale of seed for planting. Laboratory periods are devoted to the analysis of seed for purity and germination and to the identification of weed seeds. Senior year. One lecture and one three-hour laboratory period a week. Prerequisites: Agron. 2 and 3. (HULBERT)

- 108 SPECIAL CROPS 1 credit Second semester
Lectures and assigned readings dealing with the history, distribution, classification, climatic and soil adaptations and cultural methods used in growing beans, sugar beets, and flax. One lecture a week, Junior or Senior year. Prerequisites: Agron. 2-3. (HULBERT)
- 110 FARM MANAGEMENT 3 credits Second semester
A course of lectures and assigned readings, covering such phases of farm management as the qualifications of a farmer, choice of a farming region, types of farming, crop rotation as related to farm management, cost of producing farm products, labor, equipment, capital, land rental, and marketing. Senior year. Prerequisites: Agron. 2, 3, and 151. (HULBERT)
- 111-112 METHODS OF INVESTIGATION 1 credit Each semester
Lectures are given on methods of conducting agronomic experiments, including legislative measures providing for experimental work, care and management of plots, correcting for error, technique, project outlines, and report writing. Junior or Senior year. One recitation or lecture a week. (HULBERT)
- 113-114 SEMINAR 1 credit Each semester
A review is made of experiment station literature of interest to agronomists. Papers are presented by members of the Department on investigations in progress, and assigned papers are reported on by students on special topics. Senior year. One hour a week. (HULBERT)
- 115-116 UNDERGRADUATE RESEARCH 1 to 3 credits Each semester
Research may be taken along crops or soils lines, as determined by the needs and training of the student. Those students preparing for Federal or State experiment station work in agronomy should complete a research problem. Amount of credits to be arranged after consultation. (HULBERT, McDOLÉ)
- 151 GENERAL SOILS 4 credits First semester
An elementary course dealing with the formation of soils, their physical properties, and adaptation to agricultural uses. Junior year. Three lectures and one three-hour laboratory period a week. (McDOLÉ)
- 152 SOIL MANAGEMENT 2 credits Second semester
A consideration of the plant-food content and the fertility of different types of soil; principles underlying the management of soils in the humid, arid, and semi-arid regions, and the utilization of fertilizers and manures. Senior year. Two lectures a week. Prerequisite: Agron. 151. (McDOLÉ)
- 153 SOIL PHYSICS 3 credits First semester
An advanced course covering the mechanics of soil moisture,

temperature, tilth, etc. The most important physical properties serving as an index to the texture and moisture-holding capacity will be studied. Senior year. Two lectures and one three-hour laboratory period a week. Prerequisite: Agron. 151. (McDOLE)

155 ORIGIN AND CLASSIFICATION OF SOILS 2 credits First semester

A study of the rocks and minerals from which soils are derived and a discussion of the processes of soil formation. Studies are made of the Bureau of Soils methods of soil mapping. Junior year. Two lectures a week. Prerequisite: Agron. 151. (McDOLE)

Primarily for Graduates

213-214 RESEARCH 1 to 3 credits Each semester

This course is open only to graduates taking advanced work in agronomy. The particular phase of agronomy to be chosen will depend on the needs of the student. A thesis is required upon completion of the research problem chosen. (HULBERT, McDOLE)

215-216 GRADUATE SEMINAR 1 credit Each semester

ANIMAL HUSBANDRY

Professor HICKMAN, Associate Professor NORDBY, Dr. TAYLOR

Primarily for Undergraduates

1 MARKET TYPES OF LIVESTOCK 3 credits First semester

A study of the various types of horses, cattle, sheep, and swine from a market and producer's standpoint. The classes and grades of animals recognized by the market are outlined in lectures, and in connection laboratory work is given in the scoring of individuals and judging of groups representing the more important market classes. Two lectures and one three-hour judging period a week. Required of Freshmen in Agriculture. (NORDBY)

4 BREED TYPES OF LIVESTOCK 3 credits Second semester

Includes a brief study of the early history, development, and breed characteristics of the various improved breeds of domestic animals. Considerable time is given to practice work in judging representatives of the various breeds according to standards set by breed associations and by the show-ring. One lecture and three two-hour judging periods a week. Required of Sophomores in Agriculture. Prerequisite: Animal Husbandry 1. (NORDBY)

24 SANITARY SCIENCE 1 credit Second semester

This course embraces the common diseases and accidents of livestock found in national forests, with modes of prevention. Emphasis is placed on those diseases which are transferable to man. One recitation a week. (TAYLOR)

For Advanced Undergraduates and Graduates

- 105 LIVESTOCK JUDGING 2 credits First semester
The judging of horses, cattle, sheep, and swine in groups with reference to breed and market types. Three two-hour judging periods a week. Prerequisites: Animal Husbandry 1 and 4. (HICKMAN)
- 106 ANIMAL NUTRITION 3 credits Second semester
Physiology of nutrition; digestion, resorption, metabolism, protein requirements, energy requirements and utilization. Feeding stuffs: digestible nutrients, energy values, classification, description and use of feeds. Feeding: maintenance, growth and production requirements. Required of Juniors in Animal Husbandry. Prerequisite: Agr. Chem. 2 and 2a. (HICKMAN)
- 107 BEEF PRODUCTION 2 credits First semester
Breeding, feeding, and management of purebred and grade herds with special reference to the problems of the stockman of the Northwest; market classes and grades; economic factors in cattle feeding; influence of age, grade, condition, sex, season, and methods of steer feeding; equipment; pork and manure as by-products of beef production; marketing. Lectures, problems, and reference readings. Prerequisites: Animal Husbandry 1, 4, and 106. Senior year. (HICKMAN)
- 108 SHEEP PRODUCTION 2 credits Second semester
Breeding, feeding, and management of purebred and grade flocks under range and farm conditions; market classes and grades of sheep and wool; economic factors in feeding for market; marketing. Lectures, problems, and reference readings. Prerequisites: Animal Husbandry 1, 4, and 106. Senior year. (HICKMAN)
- 109 SWINE PRODUCTION 2 credits First semester
Factors influencing the economic production of breeding and market swine; establishing and managing purebred herds; marketing. Lectures and reference reading. Two recitation periods a week. Prerequisites: Animal Husbandry 1, 4, and 106. Senior year. (NORDBY)
- 110 HORSE PRODUCTION 1 credit Second semester
Problems of horse husbandry; breeding, feeding, and management. Lectures and reference reading. One recitation hour a week. Prerequisites: Animal Husbandry 1, 4, and 106. Senior year. (NORDBY)
- 111 ADVANCED LIVESTOCK JUDGING 2 credits First semester
A continuation of the work given in Animal Husbandry 105, especially planned for Senior students. So far as possible in this course excursions are made to livestock farms and shows within

reach of the University. Three two-hour judging periods a week. Prerequisite: Animal Husbandry 105. (HICKMAN)

- 112 ANIMAL BREEDING 2 credits Second semester
A study of the principles of animal breeding. Attention is given to grading, inbreeding, and cross-breeding, and the practice of the most successful breeders is carefully studied and lessons are drawn therefrom. Two recitation periods a week. Prerequisite: Zool 8. (NORDBY)
- 113 MEAT 2 credits First semester
Butchering, curing, and care of meats; yield, quality, and values of meat and by-products as influenced by breeding, feeding, and health of meat animals; market classes, grades, and cuts of meat in wholesale and retail markets. Thru courtesy of the Hagan & Cushing Co., students in this course will have opportunity to study killing, dressing, and curing meats in the Company's government-inspected packing plant. An expert will conduct classes in which the student will have practice in making the wholesale and retail cuts of meat. Lectures; practice. Prerequisites: Animal Husbandry 1 and Junior standing in the College of Agriculture. (NORDBY)
- 114 HISTORY OF BREEDS 3 credits Second semester
History and development of the leading breeds of horses, beef cattle, sheep, and swine. Methods of constructive breeders; tabulation of pedigrees; influence of families; work of breed associations. Lectures, assigned readings, and problems. Prerequisite: Animal Husbandry 4. (HICKMAN, NORDBY)
- 115-116 SEMINAR AND PRACTICUMS 1 credit Each semester
In the seminar a study is made of the work in Animal Husbandry carried on at the various experiment stations. The work in practicums has to do with practical problems in the management of livestock, including the grooming and preparation for show of horses, beef cattle, sheep, and swine. (HICKMAN, NORDBY)
- 117-118 THESIS 1 credit Each semester
Subjects for theses must be chosen and filed with the head of the Department on or before the first Monday in November preceding graduation, and typewritten copies must be filed with the librarian on or before the third Monday in May. (HICKMAN, NORDBY)
- 121 COMPARATIVE ANATOMY 3 credits First semester
A systematic study of the bones, articulations, muscles, and the digestive, respiratory, genito-urinary, circulatory and nervous systems, and the organs of special sense. Three recitations a week. (TAYLOR)
- 122 COMPARATIVE PHYSIOLOGY 3 credits Second semester
The various functions of the animal body, including a study of

the protoplasm, cells and tissues, the blood and lymph, respiration and digestion, absorption and nutrition, generation and development, are considered. Prerequisite: Animal Husbandry 121. Three recitations a week. (TAYLOR)

123 MATERIA MEDICA 2 credits First semester

Common medicines used on the farm in the treatment of diseased livestock are studied. Poisons and their antidotes, administration of medicines, and the indications for the various biological products are also considered. Two recitations a week. (TAYLOR)

127 ANIMAL DISEASES 3 credits First semester

The diseases of domestic animals are studied. Special attention is given hygiene and sanitation, emphasizing their importance in the prevention of disease. The simple surgical operations are also considered. The purpose of this course is to familiarize the student with veterinary science to an extent sufficient for his own needs as an agriculturist. Prerequisite: Animal Husbandry 122. Three recitations a week. (TAYLOR)

128 VETERINARY OBSTETRICS 2 credits Second semester

The common diseases and accidents of pregnancy and parturition in livestock will be considered from the standpoint of the stock breeder. Prerequisite: Animal Husbandry 122. Two recitations a week. (TAYLOR)

Primarily for Graduates

229-230 RESEARCH Credits to be arranged Each semester
(HICKMAN, NORDBY)

ARCHITECTURE

Professor WEAVER, Mr. ———

Assistant Professor ZUDREELE

The Department of Architecture offers courses in Architecture and the Allied Arts making it possible for students to take work not heretofore available to young men and women in this state. These courses lay the foundation for activity in the numerous fields of endeavor which have been aptly called the "Applied Fine Arts," the practice of which is based upon a knowledge of construction and design.

Primarily for Undergraduates

1 ELEMENTARY ARCHITECTURAL DESIGN 3 credits First semester

This course is introduced with several lectures on the elements of architectural effect, followed by problems in line and space, using the simpler architectural elements. Shades and shadows, and the

application of washes are introduced. Three hours of drawing twice each week.

- 2 ARCHITECTURAL DESIGN 2 credits Second semester
A continuation of Arch. 1. A series of elementary problems in architectural composition and planning, with a further study of the elements of Architecture. The student continues his exercises in casting shadows and in rendering his drawings in wash. Prerequisite: Arch. 1. Three hours of drawing twice each week.
- 3 ARCHITECTURAL DESIGN 3 credits First semester
A series of problems in architectural composition and planning. A study of the small ensemble. Three hours of drawing three times each week.
- 4 ARCHITECTURAL DESIGN 3 credits Second semester
A continuation of Arch. 3, with the problems gradually growing larger. Three hours of drawing three times each week.
- 14 HOUSE DESIGN 2 credits Second semester
A study of the problems involved in designing a house; the plan, the interior and exterior design, building materials and methods of construction. Three hours of drawing twice each week. Prerequisites: H.Ec. 61, 62, and 63 for Home Economics students; or for others Arch. 1 and 21.
- 21 FREEHAND DRAWING 2 credits First semester
Charcoal drawing from simple casts of architectural and other forms. Three hours of drawing twice each week.
- 23-24 FREEHAND DRAWING 2 credits Each semester
Charcoal and crayon drawing from architectural casts and portions of the figure. Three hours of drawing twice each week.
- 29 ELEMENTARY WATER COLOR 1 credit First semester
Color theory and various methods of applying water color. The expression of distance, sky and cloud effects, foreground and foliage. Simple landscapes. Three hours once each week.
- 30 WATER COLOR RENDERING 1 credit Second semester
The rendering of architectural perspectives in color. Three hours twice each week during the second half of the semester, following Arch. 36.
- 36 ARCHITECTURAL PERSPECTIVE 1 credit Second semester
A discussion of the phenomena of perspective and methods of representing distance, followed by exercises in drawing architectural perspectives. Three hours of drawing twice each week during the first half of the semester, preceding Arch. 30.

- 42 ARCHITECTURAL HISTORY 2 credits Second semester
A study of ancient architecture to and including the Roman period. Historical and other influences. Two lectures each week and research.
- 43 ARCHITECTURAL HISTORY 2 credits First semester
From the Early Christian to the Gothic period. Two lectures each week and research.
- 45 ARCHITECTURAL HISTORY 2 credits First semester
Gothic and Renaissance architecture. Two lectures each week and research.
- 46 ARCHITECTURAL HISTORY 2 credits Second semester
Non-historical and modern architecture. Two lectures each week and research.
- 51 ELEMENTS OF BEAUTY 1 credit First semester
A discussion of the elements of beauty in nature with parallels in the fine arts, particularly in poetry, music and architecture. One lecture each week with exercises and reading.
- 59 SPECIAL LECTURES IN ARCHITECTURE 1 credit First semester
Lectures on subjects not included in the regular courses but of which at least a superficial knowledge is desirable. Lectures by visiting architects, engineers, and men in other professions. One lecture each week.
- 61 CARPENTRY CONSTRUCTION 2 credits Second semester
The nature and properties of woods used in building construction. Methods of construction. Two lectures each week and plates.
- 64 MASONRY CONSTRUCTION 2 credits Second semester
Building materials and processes other than those included in Carpentry Construction. Two lectures each week and plates.
- 65 WORKING DRAWINGS 2 credits First semester
The preparation of scale drawings and details as are issued to the builder in actual practice. Three hours of drawing twice each week. Prerequisite: To be taken with Arch. 61.
- 72 WATER SUPPLY AND DRAINAGE 1 credit Second semester
A study of hot and cold water supply; drainage and sewage disposal; plumbing methods, materials, and fixtures. One lecture each week with outside drawing.

For Advanced Undergraduates and Graduates

- 105-106 ARCHITECTURAL DESIGN 4 credits Each semester
A continuation of Arch. 4. Three hours of drawing four times each week.

- 107-108 ARCHITECTURAL DESIGN 5 credits Each semester
A continuation of Arch. 106. Three hours of drawing five times each week.

BACTERIOLOGY

Professor GIBBS, Mr. PROUTY

Primarily for Undergraduates

- 8 HYGIENE AND SANITATION 3 credits Second semester
Includes a general discussion of communicable diseases, immunity, food, air, soil, water, sewage disposal, refuse disposal, vital statistics, industrial hygiene and diseases of occupation, school hygiene, disinfection, etc. Two lectures and one quiz each week. Open to all students. (GIBBS)

For Advanced Undergraduates and Graduates

- 101 GENERAL BACTERIOLOGY 4 credits Either semester
A general survey of the field of bacteriology, designed for students in the general science courses and as a foundation for advanced work in the subject. Prerequisites: Chem. 1-2; Bot. 1 or Zool. 1. Organic Chemistry is recommended. Two lectures and two three-hour laboratory periods a week. Will be repeated, second semester, for fifteen or more students. (GIBBS)
- 103 AGRICULTURAL BACTERIOLOGY 3 credits First semester
An advanced course covering the divisions of soil, manure, milk and its products, diseases of animals, and kindred subjects relating to the farm. Prerequisite: Bacteriology 101. One lecture and two three-hour laboratory periods a week. (GIBBS, PROUTY)
- 104 PATHOGENIC BACTERIA 3 credits Second semester
A study of the most important disease-producing organisms, serums, vaccines, etc.; animal experiments and practice in laboratory diagnosis. One lecture and two three-hour laboratory periods a week. Prerequisite: Bact. 101. (GIBBS, PROUTY)
- 105 BACTERIOLOGICAL TECHNIQUE 2 credits First semester
A detailed study of the methods used in bacteriological work. Preparation of special culture media, special staining methods, and problems involving special technique. Prerequisite: Bact. 101. Two three-hour laboratory periods a week. (GIBBS)
- 107 DAIRY BACTERIOLOGY 3 credits First semester
A study of the number of bacteria in milk, butter, cheese, ice-cream, and other dairy products, isolation and study of specific groups, effect of common farm dairy practices on the number of bacteria in milk, etc. Prerequisite: Bact. 101. One lecture and two three-hour laboratory periods a week. (GIBBS, PROUTY)

- 108 SOIL BACTERIOLOGY 3 credits Second semester
A lecture and laboratory course dealing with the transformation of nitrogen, carbon, iron, and sulphur, brought about in the soil by the action of micro-organisms; the number of bacteria in soil and effects of farm practices on the number; the isolation and study of specific groups. Prerequisite: Bact. 101. One lecture and two three-hour laboratory periods a week. (GIBBS, PROUTY)
- 109 IMMUNITY 3 credits First semester
An intensive study of the theories of immunity, with animal experiments in the production of immune serum, use of vaccines, preparation and testing of vaccines, serum, toxins and antitoxins. One lecture and two three-hour laboratory periods a week. Prerequisites: Bact. 101 and 104. (GIBBS)
- 110 SEROLOGY 3 credits Second semester
A continuation of course 109 with special emphasis on complement fixation and serum reactions. Prerequisites: Bact. 101, 104, and 109. (GIBBS)
- 111-112 SEMINAR Credits to be arranged Each semester
Primarily for Graduates
- 211-212 RESEARCH Credits to be arranged Each semester
(GIBBS)

BOTANY*

Professor GAIL, Assistant Professor CLARK, Mrs. WATSON

Primarily for Undergraduates

- 1-2 GENERAL BOTANY 3-4 credits Each semester
This course begins with a study of the cell and its functions. This is followed by a general survey of the entire plant kingdom, beginning with the lower forms. Elementary morphology, physiology, and anatomy of the plants will be considered. Two lectures and two laboratory periods weekly. May be taken for three credits only by permission of the instructor. (GAIL, CLARK, WATSON)
- 11 GENERAL AGRICULTURAL BOTANY 5 credits First semester
A study of the fundamentals of botany with special reference to agricultural subjects. The course is designed to serve as a basis for the work in Plant Physiology and Plant Pathology and the technical courses of the College of Agriculture. Two lectures, one quiz, and two laboratory periods weekly. (CLARK AND ASSISTANTS)
- 13-14 SYSTEMATIC BOTANY 3 credits Each semester
This course begins with a study of the lower seed plants and

*For plant pathology, see under the Department of Plant Pathology.

progresses toward the higher types. The monocotyledonous plants will be studied the first semester with special emphasis on the grasses; the dicotyledonous plants are studied the second semester, with some special study of the composites. (GAIL)

For Advanced Undergraduates and Graduates

- 102 GENERAL PLANT PHYSIOLOGY 4 credits Second semester

A study of the physics, chemistry, growth, and movements of plants. Should be preceded by Bot. 1-2, or 11. Preparation for the course should also include a year of college physics and a year of college chemistry. Two lectures and six laboratory hours weekly. (GAIL)

- 104 PLANT HISTOLOGY 4 credits Second semester

The tissues of plants are considered from the standpoint of origin, development, and function, special attention being given to the histology of the woody plants. A series of microscopical slides for the study of tissues is prepared. The course should be preceded by Botany 1-2 or 11 and 13-14. Two lectures and six laboratory hours weekly. (CLARK)

- 106 PLANT ECOLOGY 4 credits Second semester

Comparative study of plant tissues from the standpoint of origin and role, followed by field work in the greenhouse and fields near the University and some work in adjacent mountains. Should be preceded by Bot. 1-2; 13-14. Two lectures and six laboratory hours weekly. (GAIL, CLARK)

- 107 MYCOLOGY 4 credits First semester

The morphology, physiology, and taxonomy of the fungi, with special emphasis on the parasitic forms, the fungi concerned with decay, and the edible and poisonous mushrooms. Prerequisites: Bot. 1-2; 11; 13-14. Two lectures and two laboratory periods a week. (CLARK)

- 109 THE TEACHING OF BOTANY 2 credits First semester

The following topics will be included: The aim of teaching botany in secondary education; the principles that determine the selection of botanical apparatus, laboratory material, and texts; a review of the subject matter, including methods of presentation. This course will be limited to those who major or minor in botany and expect to teach this subject. (GAIL)

- 111 TAXONOMY OF MEDICINAL AND POISONOUS PLANTS

3 credits First semester

Taxonomy of economic groups of plants of Idaho and adjacent states as related to plant resources as adjuncts to medicine. Prerequisites: Bot. 1-2; 13-14. One lecture and six laboratory hours weekly. (CLARK)

112 FOOD MICROSCOPY 3 credits Second semester

Micro-technic and micro-chemistry of foods, seeds and drugs; the identification of vegetable fibres and manufactured textiles with reference to purity. Prerequisites: Bot. 1-2; Chem. 1-2. One lecture and six laboratory hours weekly. (CLARK)

121-122 ADVANCED MORPHOLOGY 4 credits Each semester

An intensive morphological study of the four great groups of plants. An opportunity to acquire a good collection of microscopic preparations will be given. The course affords an excellent preparation for teachers of botany in colleges or high schools and for research. Prerequisites: Bot. 1-2; 13-14; 107. Two lectures and six laboratory hours weekly. (CLARK)

Primarily for Graduates

203-204 PLANT PHYSICS, NUTRITION AND GROWTH

4 credits Each semester

A course in plant physiology for majors in the Department of senior standing or for graduate students. Prerequisites: Bot. 1-2; 13-14; 102; working knowledge of chemistry and physics and a reading knowledge of French. Two lectures and six laboratory hours weekly. (GAIL)

206 BRYOPHYTES AND PTERIDOPHYTES 3 credits Second semester

Morphology, taxonomy, and evolution of the liverworts, mosses, and ferns. Prerequisites: Bot. 1-2; 13-14; 121-122. For majors in the Department of senior standing or for graduate students. One lecture and six laboratory hours weekly. (CLARK)

207-208 ADVANCED TAXONOMY 2-5 credits Each semester

Taxonomy and morphology of special groups of plants. For seniors or graduate students. Prerequisites: Bot. 1-2; 13-14; 121-122; 206. (GAIL)

221-222 BOTANICAL SEMINAR 1 credit Each semester

Review of current journals; presentation of research work done or in progress. (GAIL, CLARK)

231-232 RESEARCH Each semester

Students with sufficient preparation may be assigned to research problems in physiology, ecology, morphology, mycology, and taxonomy. (GAIL, CLARK)

BUSINESS

(See Economics and Political Science).

CHEMISTRY*

Professor VON ENDE, Professor KOSTALEK, Assistant Professor BALDWIN,
Mr. CADY, Mr. DUSAULT, Mr. CONE

A laboratory period consists of three consecutive hours.

Students who wish to qualify fully in the fundamentals of chemistry should take no less than the following courses: Chem: 1, 2, 3, 4, 101, and 102.

Primarily for Undergraduates

- 1 GENERAL CHEMISTRY 4 credits First semester
Experimental lectures, quizzes and laboratory work. The laboratory work consists of a selection of representative experiments, including quantitative. Textbooks: Smith-Kendall's *College Chemistry*, University of Idaho *Laboratory Outline*.
Two lectures, one quiz, and two laboratory periods a week. Lecture Sections: I, II. Laboratory Sections: I, II, III, IV, V. Quiz Sections: A, B, C, D, E, F, G, H, and I. (VON ENDE, KOSTALEK, BALDWIN, CADY, DUSAULT, CONE)
- 2 GENERAL CHEMISTRY 4 credits Second semester
Continuation of Course 1. The laboratory work consists of an *introduction* to qualitative analysis, as a means of studying the general chemistry of the cations. Sections as in Chemistry 1. Courses 1 and 2 include about twenty-five problems each. Prerequisite: Course 1.
- 3 QUALITATIVE ANALYSIS 4 credits First semester
Laboratory work and recitations. The class work takes up the fundamental theory of inorganic reactions in water solution. The laboratory work includes practice in the separation of the metallic radicals (cations) and acidic radicals (anions) accompanied by laboratory quizzes and equation writing.
Textbooks: A. A. Noyes' *Qualitative Chemical Analysis*, and Stieglitz's *Theoretical Qualitative Analysis*.
One class and three laboratory periods a week. Prerequisites: courses 1 and 2. (BALDWIN)
- 4 QUANTITATIVE ANALYSIS 4 credits Second semester
Introduction to the fundamentals, theory and practice, of gravimetric and volumetric analysis, including twenty to twenty-five problems; McPhail Smith's *Quantitative Chemical Analysis*, and Stieglitz's *Theoretical Qualitative Analysis*.
Periods per week the same as for Course 3. Prerequisites: Courses 1, 2, and 3. (BALDWIN)

*For the Chemical Engineering curriculum, see page 76. For courses in Agricultural Chemistry and Soil Chemistry, see Agricultural Chemistry.

11-12 ELEMENTS OF ANALYSIS 2 credits Each semester

The courses are restricted to laboratory practice in chemical analysis, the first semester being devoted to qualitative, the second semester to quantitative. Textbooks: A. A. Noyes' *Qualitative Chemical Analysis*, Moody's *Quantitative Chemical Analysis*. Two laboratory periods a week. Prerequisites: Courses 1 and 2. (BALDWIN)

13 ORGANIC CHEMISTRY 4 credits First semester

(*With laboratory practice in quantitative analysis*). A condensed course of lectures, quizzes, and laboratory work, planned altogether for a special group of students in *Agriculture*, to meet their requirements for the courses in *Agricultural Chemistry*. One half of the laboratory time is devoted to quantitative methods of analysis. Two lectures and two laboratory periods a week. Prerequisites: Courses 1 and 2. (KOSTALEK)

14 CARBON COMPOUNDS 3 credits Second semester

A course planned for students in *Home Economics*. Three class periods a week. Prerequisites: Courses 1 and 2. (KOSTALEK)

15 ORGANIC CHEMISTRY 3 credits First semester

A condensed course planned altogether for students in *Foods and Nutrition*. Two class periods and one laboratory period a week. Prerequisites: Courses 1, 2, 11, and 12. (KOSTALEK)

For Advanced Undergraduates and Graduates

101 ORGANIC CHEMISTRY 5 credits First semester

Three lectures a week on the general principles and theories of organic chemistry. The lectures are accompanied by two laboratory periods a week which include: four discussions of the fundamental operations employed in organic laboratory practice, the preparation of from ten to twelve types of organic compounds (together with a study of the physical and chemical characteristics of these and other types), and written quizzes. Textbooks: Norris' *Organic Chemistry* and Norris' *Experimental Organic Chemistry*. Prerequisites: Courses 1, 2, 3, and 4. (KOSTALEK)

102 ORGANIC CHEMISTRY 3 credits Second semester

Continuation of Course 101. Two lectures a week, with one period of laboratory work including the preparation of five or six aromatic compounds, and the quantitative determination of carbon, hydrogen, and nitrogen. (KOSTALEK)

103 ADVANCED QUANTITATIVE ANALYSIS 3 or 4 credits First semester

Continuation of Course 4. Laboratory work designed for students in Mining Engineering, Chemical Engineering, and such students as may desire to continue quantitative analysis beyond Course 4.

Three or four laboratory periods a week. Prerequisites: Courses 1, 2, 3, and 4. (Cady)

- 104 SPECIAL QUANTITATIVE ANALYSIS 1 to 4 credits Second semester
Laboratory work one period a week for each credit. Prerequisites: Courses 1, 2, 3, and 4. (Cady)

105-106 THEORETICAL AND PHYSICAL CHEMISTRY

3 credits

Each semester

Lectures treating states of aggregation, molecular and atomic hypothesis, solution, chemical statics and kinetics, electro-chemistry and thermo-chemistry. Laboratory work includes determinations of molecular weight, electrolytic conductivity, electrolytic potential, (including H-ion concentration), transference, rate of reaction, viscosity, surface tension, solubility, and calorimetry. Two lectures and one laboratory period a week. Prerequisites: Courses 1, 2, 3, and 4; at least first-year College Physics; and Math. 21 and 22. (VON ENDE)

107-108 INDUSTRIAL CHEMISTRY 3 credits

Each semester

Lectures and laboratory work on the more important technical operations and analyses. Two lectures and one laboratory period a week. Prerequisites: Courses 1, 2, 3, 4, 101, and 102. (KOSTALEK)

109-110 THESIS

1 to 3 credits

Each semester

111-112 BIOCHEMISTRY

4 credits

Each semester

Lectures and recitations on the chemistry of the lipins, carbohydrates, proteins, colloidal state, enzymes, digestion, tissues, blood, milk, putrefaction, urine, and metabolism. The laboratory work consists of qualitative and quantitative experiments on the lecture material with special emphasis on the fundamental procedures of biochemical laboratory practice. Textbook: Matthews' *Physiological Chemistry*. Two class and two laboratory periods a week. Prerequisites: Six to eight credits in biology and Courses 1, 2, 11, 12, 101, and 102 or 15; or 1, 2, 3, 4, 101, and 102. (Cady)

121 FOOD ANALYSIS

2 or 3 credits

Either semester

A laboratory course in the principles of food analysis with weekly conferences. Practice is given in the chemical and microscopic examination of the more common food products, with emphasis placed on the interpretation of analytical results. Textbook: Woodman's *Food Analysis*. Two or three laboratory periods a week. Prerequisites: Courses 1, 2, 3, 4, 101, and 102, or 1, 2, 11, 12, and 15. (BALDWIN)

Primarily for Graduates

201-202 ADVANCED ORGANIC CHEMISTRY 1 to 3 credits

Each semester

Lectures and quizzes on the theories of organic chemistry. Text-

book: *Theories of Organic Chemistry*, Henrich-Johnson and Hahn. Laboratory work consists of special preparations and advanced quantitative organic analysis. The laboratory work may be taken without the lectures, in the case of qualified students. (KOSTALEK)

203-204 RESEARCH 2 to 4 credits Each semester

It is intended to place at the disposal of mature and properly qualified students, for purposes of investigation, the working and instructional facilities of the Department.

DEPOSITS.—A deposit to cover breakage and materials is required each semester.

CIVIL ENGINEERING

Professor CRAWFORD, Associate Professor LUDBERG, Mr. HEMMERT, Mr. CARTER, Mr. BURKE

Primarily for Undergraduates

1 ENGINEERING DRAFTING 4 credits First semester

Freehand lettering; use of drafting instruments; elementary orthographic projections; isometric and oblique drawings; working drawings; conventional signs. One recitation and nine hours in drafting room.

11-12 ENGINEERING DRAFTING 2 credits Each semester

For Forestry students only. Covers same ground as C.E. 1. Six hours in drafting room.

2 DESCRIPTIVE GEOMETRY 3 credits Second semester

Problems on point, line, and plane; classification of surfaces; tangent planes; sections; intersections; developments; warped surfaces. Applications to engineering problems. Theory of shades and shadows. One recitation and six hours in drafting room.

3 PLANE SURVEYING 4 credits First semester

Theory and use of transit, level, plane table, and minor instruments. Land surveying. Government method of laying out public lands. One recitation and nine hours field work and computations. Forestry students are permitted to take this as a 3-credit course. Prerequisites: Math. 11, and C.E. 1.

3a SURVEYING 2 credits Second semester

A brief course in the theory and use of the transit, level, and other instruments, for electrical, mechanical, and chemical engineering students. One recitation and three hours field work. Prerequisite: Math. 11.

4 TOPOGRAPHIC SURVEYING 3 credits Second semester

A study of methods employed in making topographic surveys.

The topographic survey of a given area, including calculations and the map. One recitation and six hours in the field and drafting room. Prerequisite: C.E. 3.

- 6 MECHANICS (STATICS) 3 credits Second semester
Composition and resolution of forces; laws of equilibrium; stresses in frames; centers of gravity; moments and products of inertia; analytical and graphical methods of solution. Prerequisites: Math. 21, and Phys. 11.
- 8 RAILROAD CURVES 1 credit Second semester
Simple, compound, reversed, and parabolic curves. A recitation and problem course. Prerequisite: C.E. 3.
- 13 ENGINEERING PROBLEMS 1 credit First semester
Training in computation and analysis of engineering problems. One laboratory period. Prerequisite: To be taken with Math. 11.

For Advanced Undergraduates and Graduates

- 101 MECHANICS (DYNAMICS) 2 credits First semester
A continuation of C.E. 6. Rectilinear motion; curvilinear motion; translation and rotation; work and energy; momentum and impulse. Prerequisites: Math. 21-22, and C.E. 6.
- 102 FRAMED STRUCTURES 3 credits Second semester
The calculation of stresses in statically determinate framed structures by algebraic and graphic methods. Two recitations and three hours in the drafting room. Prerequisite: C.E. 103.
- 103 MECHANICS OF MATERIALS 3 credits First semester
The elasticity of materials; stress and strain; the theory of flexure; strength of riveted joints; column theory; combined stress; fatigue of metals. Prerequisites: Math. 21-22, and C.E. 6.
- 104 HYDRAULICS 3 credits Second semester
The theory of hydrostatics and hydrodynamics; measurement of flow by weirs, orifices and current meters; friction in pipes; flow in pipes, conduits and canals; impulse and reaction wheels. Two recitations and one laboratory period. Prerequisite: C.E. 101.
- 105 ROADS AND PAVEMENTS 3 credits First semester
Location and surveys of highways. Earth, sand-clay, gravel, and broken stone roads; bituminous surface; concrete, brick, wood, stone, and asphalt and other bituminous pavements. Tests of road materials. Two recitations and three hours in laboratory. Prerequisites: C.E. 3-4.
- 106 REINFORCED CONCRETE THEORY 2 credits Second semester
Theory of stress distribution in reinforced concrete beams, slabs and columns. Prerequisite: C.E. 103.

- 107 RAILROAD ENGINEERING 5 credits First semester
The principles of economic location and construction. A line is located, quantities computed, profiles and a map drawn. Three recitations and six hours in the field and drafting room. Prerequisites: C.E. 3-4, 8.
- 109 MATERIALS TESTING LABORATORY 2 credits First semester
A study of the physical properties and the testing of steel, wrought and cast iron, timber, cement, and concrete. Six hours in laboratory. Prerequisite: C.E. 103, or to be taken with C.E. 103.
- 110 ADVANCED MECHANICS OF MATERIALS 2 credits First semester
Stresses in curved beams, hooks, flat plates and rings; deformations of structures; impact stresses; moment-area principles. Prerequisite: C.E. 103. Elective.
- 111 ROAD MATERIALS LABORATORY 2 credits Either semester
Investigations of road making materials. Prerequisite: C.E. 105. Elective.
- 120 IRRIGATION 3 credits Second semester
Fundamental principles of irrigation engineering. Detailed study of structures, as pipes, flumes, head-gates, and dams. Prerequisites: C.E. 103 and 104.
- 121 STRUCTURAL DESIGN 4 credits First semester
Design of steel and concrete bridges, steel office buildings, and dams. Prerequisites: C.E. 102 and 106.
- 122 WATER SUPPLY 2 credits Second semester
Fundamentals of water supply engineering; choice of supply; construction of dams; design of distributing system; elevated tanks. Prerequisites: C.E. 103 and 104.
- 123 BRIDGE ENGINEERING 2 credits First semester
Bridge economics; methods of construction; specifications; types of bridges. Prerequisite: C.E. 102, and to be taken with C.E. 121.
- 124 CONTRACTS AND SPECIFICATIONS 2 credits Second semester
Brief statement of law of contracts and consideration of general and technical clauses in engineering specifications. Prerequisite: Senior standing.
- 125 SEWERS AND SEWERAGE 2 credits First semester
The principles involved in the design, construction, and maintenance of sewers and sewerage systems. Prerequisite: C.E. 104.
- 126 MASONRY AND FOUNDATIONS 5 credits Second semester
A study of cements; the proportioning of concretes; foundations for bridges and buildings; retaining wall theory; arch theory. Special emphasis is laid on the design of retaining walls and masonry arches.

Three recitations and six hours in the drafting room. Prerequisites: C.E. 102 and 106.

- 127 WATERPOWER ENGINEERING 3 credits First semester
Hydrology and stream flow; conditions governing selection of impulse wheels and reaction turbines; reservoirs and their relation to power demands; economics of power development. Prerequisite: C.E. 104.
- 128 SEMINAR 1 credit Second semester
A study of technical periodicals and literature. Papers on engineering topics are prepared, read, and discussed. Prerequisite: Senior standing.
- 129 VALUATIONS AND RATES 2 credits First semester
The valuation of public utilities; principles and methods; depreciation; rate base. Prerequisite: Senior standing.
- 130 THESIS 3 credits Either semester
A problem in design or investigation. Open only to Senior students of high standing.
- 132 INDUSTRIAL STRUCTURES 2 credits Second semester
The design and construction of industrial buildings of steel, wood, and concrete. Prerequisite: C.E. 121.

Primarily for Graduates

- 201 WATER PURIFICATION AND SEWAGE DISPOSAL 2 credits First semester
- 202 STATICALLY INDETERMINATE STRUCTURES 2 credits Second semester

Attention of engineering students is called to Law 228 and Law 216, courses in Irrigation and Mining Law.

CLASSICAL LANGUAGES

Professor AXTELL, Mrs. PIPER

LATIN

The courses listed below are intended to meet the needs of several different classes of students. Those who wish a brief study or review of the essentials of the language should elect Courses 1-2. Those who wish to continue their high-school Latin may take any of Courses 3-10 for which they are prepared. Advanced undergraduate students should take Courses 101-102. Students who desire to major in Latin will find the requirements stated on page 49.

Students who wish an acquaintance with Roman history and insti-

tutions or with Roman literary masterpieces in English should elect History 14, Roman Civilization.

Primarily for Undergraduates

- 1-2 THE LATIN IN ENGLISH 3 or 5 credits Each semester
Open to all students. The course deals especially with the Latin words, derivatives, prefixes, suffixes, phrases, and proverbs which form so large a part of English and other modern languages, and of the terminology of the natural and social sciences. Recommended especially for pre-legal students. Students who register for five credits are enabled to learn Latin more easily and thoroly, and to fulfil sooner the requirements in foreign languages for the B.A. and B.S. degrees. (AXTELL)
- 3-4 SECOND-YEAR LATIN 3 credits Each semester
Translation of easy selections from classic myths, stories from Roman history, and episodes from Caesar's *Gallic War*. Exercises in Latin writing, illustrating the new points of grammar and idioms met in translation. Continued study of English derivatives. (Mrs. PIPER)
- 5-6 THIRD-YEAR LATIN 3 credits Each semester
Translation of selected orations of Cicero, investigation of his life, and study of Roman government constitute the work of the first semester. In the second semester Vergil's *Aeneid* is translated in part and the principles of his poetry are studied. (Mrs. PIPER)
- 7 HORACE 3 credits First semester
Selected *Odes* and *Satires* which show Horace's career, literary development and character, are read. Study of the principles of Roman lyric poetry. Investigation of the culture of the court of Augustus. Prerequisite: At least three years of high-school Latin. (AXTELL)
- 8 PLINY'S LETTERS 3 credits Second semester
Selected *Letters* bearing on life in the Roman Empire. Investigation of topics suggested by the *Letters*. Characteristics of Latin literature in the "Silver Age." Prerequisite: At least three years of high-school Latin. (AXTELL)
- 9-10 PROSE COMPOSITION 2 credits Each semester
Systematic exercises affording a thoro review of Latin grammar. Best studied in connection with either Courses 7-8 or Courses 11-12. Required for a recommendation to teach Latin. Prerequisite: Three years of high-school Latin. (Not given in 1925-26.) (AXTELL)
- 11 CICERO'S ESSAYS AND LETTERS 3 credits First semester
Translation of the *De Senectute* and *De Amicitia*. Selected letters touching on Roman life in the first century B.C. Investigation of

Cicero's contributions to civilization. Prerequisite: At least three years of high-school Latin. (Not given in 1925-26.) (AXTELL)

- 12 LATIN COMEDY 3 credits Second semester
Selected comedies of Plautus and Terence. Papers and reports on topics connected with the Roman drama. Study of early colloquial diction and dramatic poetry. Prerequisite: At least three years of high-school Latin. (Not given in 1925-26.) (AXTELL)

For Advanced Undergraduates and Graduates

- 101-102 ADVANCED READING 2 or 3 credits Each semester
Rapid translation of standard Latin authors not usually read in the first years of college. Selection will be made to suit the needs and desires of the class from Lucretius, Catullus, the elegiac poets, the *Satires* of Horace, the *Eclogues* of Vergil, Juvenal, Petronius, Tacitus, Apuleius, or Suetonius. (AXTELL)

- 103 HISTORY OF LATIN LITERATURE 2 credits First semester
A general lecture and reading course with the aid of standard translations. The influence of Latin upon English literature is emphasized. (AXTELL)

- 104 TEACHERS' COURSE 2 credits Second semester
Comprehensive and advanced work in details of Latin philology necessary for the efficient teacher. Ideals, means, and methods of teaching Latin in the high school. (AXTELL)

- 105-106 SEMINAR 1 to 3 credits Each semester
Introduction to the study of Latin inscriptions and manuscripts. (AXTELL)

Primarily for Graduates

- 201-202 RESEARCH Credits to be arranged Each semester

NOTE.—History 14, Roman Civilization, is a course intended for those who wish to investigate the work and institutions of the Romans without studying the language. See under History.

GREEK

Students may begin the study of Greek in the first semester of any collegiate year. For a major in Greek see page 49. Greek 14-15 is intended for students who wish to understand the use of Greek derivatives in modern science and literature.

Primarily for Undergraduates

- 1-2 ELEMENTARY GREEK 3 to 5 credits Each semester
First lessons comprising the main features of inflection and syntax are learned, simple sentences are written from English into Greek, and easy selections from Greek authors are translated.

2	ELEMENTS OF DAIRYING	2 credits	Second semester
<p>General survey of the dairy industry. Secretion, composition, and properties of milk; tests for butterfat, specific gravity, and sediment; methods of separation and handling of milk; cream ripening and churning on the farm. Required of Freshmen. One recitation and one three-hour laboratory period each week. (ANDERSON)</p>			
3	MILK PRODUCTION	3 credits	First semester
<p>Study of the principles and practices involved in the production of milk. General study of dairy breeds and the care and management of the dairy herd. Required of Sophomores. Two lectures and one three-hour laboratory period a week. Prerequisite: D.H. 2. (ATKESON, ANDERSON)</p>			

104	MARKET MILK	3 credits	Second semester
	A study of the sanitary handling of market milk, methods of pasteurization and inspection, certified milk, grading and scoring milk and milk plants, milk ordinances, the relation of milk to disease, bacteriology of milk. Required of Juniors or Seniors in Dairy Husbandry. Two lectures and one three-hour laboratory period a week Prerequisite: D.H. 2. (BENDIXEN)		
105	CREAMERY BUTTER-MAKING	4 credits	First semester
	Factory methods of butter-making, including grading, pasteurizing, ripening and churning cream, and packing butter. Required of Juniors or Seniors in Dairy Husbandry. Two lectures and one one-hour laboratory in the afternoon with a four-hour laboratory the following morning. Prerequisite: D.H. 2. (BENDIXEN)		
106	ICE-CREAM AND ICES	3 credits	Second semester
	A study of the principles involved and practice in the making of ice-cream and other frozen products. Elective for Juniors and Seniors in Dairy Husbandry. Two lectures and one three-hour laboratory period a week. Prerequisite: D.H. 2. (BENDIXEN)		
107	DAIRY BACTERIOLOGY	3 credits	First semester
	Bacteriology 107 (which see.) (GIBBS, PROUTY)		
108	HISTORY OF BREEDS AND DAIRY-CATTLE BREEDING	3 credits	Second semester
	Study of the history, development, and modern blood lines of the Ayrshire, Guernsey, Holstein, and Jersey breeds of cattle; study of the principles of breeding as practiced today and the formation of definite breeding policies for a herd. Prerequisite: D.H. 3. (ATKESON)		

- 109 ADVANCED DAIRY CATTLE JUDGING 2 credits First semester
A study of the types of the various breeds of dairy cattle, with comparative judging. Prerequisite: D.H. 3. (ATKESON)
- 110 CHEESE-MAKING 4 credits Second semester
Methods of manufacture of cheddar, Neufchatel, cottage, and other types of cheese. Required of Juniors or Seniors in Dairy Husbandry. Two lectures and one six-hour laboratory period a week. Prerequisite: D.H. 2. (BENDIXEN)
- 111 FACTORY MANAGEMENT 2 credits First semester
The location, construction, organization, and management of creameries, cheese and ice-cream factories, and city milk plants, including a study of power, refrigeration, and advertising. Two lectures a week. Prerequisite: D.H. 2. (BENDIXEN)
- 112 DAIRY-CATTLE FEEDING AND MANAGEMENT 4 credits Second semester
A study of the breeding, care, and feeding of dairy stock, the planning and arrangement of dairy buildings, the management of purebred herds, fitting for show, feeding for official records, sales and advertising, cattle photography. Required of Seniors in Dairy Husbandry. Two lectures and one one-hour laboratory and one three-hour laboratory period a week. Prerequisites: D.H. 2 and 3. (ATKESON)
- 113 JUDGING DAIRY PRODUCTS 1 credit First semester
A study of quality in dairy products, and of market requirements, including practice in scoring butter, cheese, ice-cream and milk. Three one-hour laboratory periods a week. Prerequisite: D.H. 2. (BENDIXEN)
- 115 MILK TECHNOLOGY 2 credits First semester
Chemistry and composition of dairy products; methods of manufacture of condensed milk, powdered milk, casein, milk sugar, and dairy by-products. Two lectures a week. Prerequisite: D.H. 2. (BENDIXEN)
- 117-118 THESIS 1 credit Each semester
Subjects must be chosen and filed with the head of the Department not later than the first Monday in November preceding graduation and typewritten copies must be filed with the librarian on or before the third Monday in May. Required for graduation in Dairy Husbandry. (ATKESON)
- 119-120 SEMINAR 1 credit Each semester
A study of dairy problems and review of literature. Papers are prepared and class reports given. Required of Juniors and Seniors. (ATKESON)

121-122 UNDERGRADUATE RESEARCH

Credits to be arranged First semester
(ATKESON, BENDIXEN)

125 ADVANCED TESTING

1 credit

First semester

Various tests, such as tests for moisture, fat, salt, adulterants, etc., in butter, cheese, ice cream, condensed milk, etc. Required of Juniors in Dairy Husbandry. One two-hour laboratory period each week. Prerequisite: D.H. 2. (BENDIXEN)

Primarily for Graduates

219-220 SEMINAR

1 credit

Each semester

221-222 RESEARCH

Credits to be arranged

Each semester

Experimental work in either dairy production or dairy manufacturing, to be written up in the form of a thesis. (ATKESON, BENDIXEN)

ECONOMICS AND POLITICAL SCIENCE

Professor DALE, Associate Professors KERR and SCHOONOVER, Assistant Professor ———, Messrs. WELLS and WILDE, Miss GAMWELL, Miss GLINDEMANN

Professors GILL and CHURCH, and Assistant Professor KIRKHAM

Students in the College of Letters and Science may select any one of the following courses in fulfillment of the Social Science requirement in Economics (Six credits) viz: Courses 1-2, 21-22, 141-142.

Courses primarily for undergraduates are numbered:

- In *Economics* from 1 to 19;
- In *Political Science* from 21 to 39;
- In *Sociology* from 41 to 59;
- In *Business* from 61 to 99.

Courses for undergraduates and graduates are numbered:

- In *Economics* from 101 to 119;
- In *Political Science* from 121 to 139;
- In *Sociology* from 141 to 159;
- In *Business* from 161 to 199.

Courses primarily for graduates are numbered:

- In *Economics* from 201 to 219;
- In *Political Science* from 221 to 239;
- In *Sociology* from 241 to 259;
- In *Business* from 261 to 299.

The basic freshman course for students majoring in the Department or registered in the Business Curriculum is Economics 21-22 (*American Government*.) The basic sophomore courses are Economics 1-2 or 11-12

(Principles of Economics) or Economics 13 (Agricultural Economics.)

A fee of five dollars per semester is charged all students in Type-writing.

For an outline of the Buusiness Curriculum see pages 54-58.

ECONOMICS

Primarily for Undergraduates

1-2 PRINCIPLES OF ECONOMICS 3 credits Each semester

A study of the fundamental principles of economics with applications. The course is conducted by means of lectures, a textbook, and informal quiz sections. This is a general course intended for those students in the College of Letters and Science and the other schools and colleges of the University who desire some acquaintance with basic economic principles. Not intended for students in the Business Curriculum and not open to students who have taken or are taking Econ. 11-12. The two lectures a week are given in common to this course and to Econ. 11-12. Not open to Freshmen. (DALE, WELLS, ———)

11-12 PRINCIPLES OF ECONOMICS 4 credits Each semester

A study of the fundamental principles of economics with applications. The course is conducted by means of lectures, a textbook, and two informal quiz sections each week. This is a general course intended primarily for students in the Business Curriculum, tho it is open to all students in the University above the Freshman year. Not open to students who have taken or are taking Econ. 1-2. The two lectures a week are given in common to this course and to Econ. 1-2. (DALE, WELLS, ———)

13 AGRICULTURAL ECONOMICS 3 credits First semester

The fundamental principles of economics in their application to agriculture. Special reference is given to factors affecting prices of producing and distributing farm products. Other topics considered are: farm tenancy, labor, wages, rent, equipment; agricultural credit, interest rates, and profits. Each student will make a special study of some problem in the field of agricultural economics. (WELLS)

14 MARKETING OF FARM PRODUCTS 3 credits Second semester

An analysis and interpretation of the fundamental principles of marketing farm products. Among the topics considered are: assembling, grading, standardizing, packing, processing, transporting, storing, financing, and distributing. The fundamentals of cooperative marketing; terminal market problems; government in relation to marketing. Prerequisites: Econ. 1-2, 11-12 or 13. (WELLS)

15-16 BUSINESS ETHICS ½ credit Each semester

Academic ethics and professional ethics; characteristics of a pro-

fession; ethics of competition; "cut-throat" competition; fiduciary obligations; the accountant; the business man's duties to society; professional organizations; personal idealism. Lectures and assigned readings. Meets once a week thruout the year. Required of all Business Freshmen. Total of one credit. (DALE)

For Advanced Undergraduates and Graduates

- 105 MONEY AND PRICES 3 credits First semester
Origin and development of money; bimetallism in theory and practice; paper money in theory and practice; causes of currency inflation; current schemes of issuing money based on goods; the quantity theory controversy analyzed; historical correlation of money and prices; price changes in the light of the business cycle; price revolution of 1915-1922 in the United States and in Europe; the German monetary situation; causes of high prices and problems of deflation; problems of price stabilization; Fisher's compensated dollar; price fixing. Prerequisites: Econ. 1-2 or 11-12. (SCHOONOVER)
- 106 CREDIT AND BANKING 3 credits Second semester
Analysis of our banking structure; investment banking; the foreign investment trust; commercial paper houses; national farm loan association; cattle loan companies; the farm loan banks; the Federal Reserve System in its relation to commercial banking. Commercial banking practice; organization and operation of a commercial bank; bank loans; analysis of bank statements, and credit statements; the technique of foreign trade and its relation to banking; bank examinations and audits. (SCHOONOVER)
- 108 TRANSPORTATION 3 credits Second semester
Channels of traffic and traffic development; freight classifications and freight service; principles of rate construction; Inter-Mountain Rate Cases and their economic significance; special rate problems; powers of the Interstate Commerce Commission; passenger fares and passenger traffic associations; express rates; Transportation Act of 1920; practical problems. Prerequisites: Econ. 11-12. (SCHOONOVER)
- 110 PUBLIC FINANCE 3 credits Second semester
Sources of public revenue; federal, state, and local taxation; current tax problems; new forms and canons of taxation. The expenditure of public money, budget systems. The course includes a study of the financial administration of the State of Idaho. Especially intended for students preparing for public service. Offered in alternate years. To be given, 1925-1926. (DALE)
- 111 LABOR PROBLEMS 3 credits First semester
History of organized labor; government and policies; types of trade unions studied to get an insight into organization and policies; hours of labor; labor laws and workmen's compensation; compulsory

arbitration, principle and practice; methods of wage payment; risks of the worker and methods of insuring against them; the organization and scope of personnel work; labor turnover; absenteeism; selection and placement; methods of training; joint relations; job specifications and requirements. (SCHOONOVER)

- 113 STATISTICS 3 credits First semester
An introductory course in statistical method; the frequency distribution; averages; measures of dispersion; index numbers; principles of correlation and variation. (WELLS)

- 116 ADVANCED BANKING 2 credits Second semester
A study of the development of Federal Reserve policy; discount policy and open market operations of banks; portfolio holdings; bank management problems; foreign banking systems. (SCHOONOVER)

Primarily for Graduates

- 211-212 SEMINAR Credits to be arranged Each semester
This course is open only to Graduate students. The topics for investigation and discussion will be selected from the field in which the student is engaged. (DALE, KERR, SCHOONOVER)

POLITICAL SCIENCE

Primarily for Undergraduates

- 21-22 AMERICAN GOVERNMENT 3 credits Each semester
An introductory course covering the practical workings of American federal and state government. In the first part of the course, attention is given such subjects as the distribution of the powers of government, the organization and functions of the federal executive, congress, the judiciary, etc. In the second part the emphasis is placed on the organization and activities of political parties and on practical politics. Primarily for Freshmen and Sophomores. (DALE and ———)

- 29 PARLIAMENTARY LAW 1 credit First semester
A study of the proper methods of organizing and conducting public and social gatherings and practice in presiding over assemblies. Open to all students. Text, lectures, drill, and solution of set problems. (KERR)

- 123 CITY AND COUNTY GOVERNMENT 3 credits First semester
This course deals with the governmental problems of the American city, town, and county. Attention is given such subjects as municipal organization, finance, police, public works, etc. Special emphasis is laid on the various efforts to reform city and county government, such as the commission plan, the city-manager plan, and the county-commission plan. Idaho city and county problems of

government are analyzed and discussed. Prerequisites: Courses 21-22. Alternates with Econ. 125. Omitted, 1925-1926. (KERR)

124 STATE GOVERNMENT IN THE UNITED STATES

3 credits

Second semester

A study of state administration and legislation, with particular reference to recent tendencies, such as the executive budget system, administrative consolidation, cooperation with the federal government, and the like. The course will include a careful study of Idaho state government. Prerequisites: Courses 21-22. Alternates with Econ. 126. Omitted, 1925-1926. (KERR)

125 COMPARATIVE GOVERNMENT 3 credits

First semester

A comparative study of the governments, parties, and administrative systems of the leading countries of the world. Emphasis will be given to the recent changes in the governmental systems of continental Europe. Term paper. Prerequisites: Econ. 21-22. Open to Juniors and Seniors. Alternates with Econ. 123. Offered, 1925-1926. (KERR)

126 THEORY OF THE STATE 3 credits

Second semester

A study of the nature, origin, form, and functions of the state, tracing its development from the earlier stages of civilization to the present. Emphasis will be placed on the enlarged functions of government. Modern theories of the state, including the democratic, anarchistic, socialistic and others, will be studied in detail. Term paper. Prerequisites: Econ. 21-22. Open to Juniors and Seniors. Alternates with Econ. 124. Offered, 1925-1926. (KERR)

128 POLITICAL AND ECONOMIC PROBLEMS OF THE MODERN WORLD

3 credits

Second semester

An examination of some of the outstanding problems of the day, including such matters as reparations and allied indebtedness; the growth of novel theories of government; the economic readjustments of the post-war period; the production and distribution of the world's food; the revival of armaments; the problem of taxation; attacks on the theory of money; inflationary disturbances; and other similar topics. Prerequisites: Econ. 1-2, 11-12, or 21-22. Open to no students below the Junior class. Omitted, 1925-1926. (DALE)

SOCIOLOGY

For Advanced Undergraduates and Graduates

141-142 PRINCIPLES OF SOCIOLOGY 3 credits

Each semester

An introductory course covering the nature and evolution of sociology. In the first semester emphasis is placed on the social forces and the laws of association, exploitation, competition, adjustment, cooperation, and the like, as they affect social progress. In the second

semester special attention is given the social products, including the family, the state, the industrial group, and the public school. Special study is also made of such problems as defectiveness, poverty, crime, and the social classes. Lectures, text, assigned readings, term paper. Primarily for Juniors and Seniors; open to others only with the consent of the instructor. (KERR and ———)

143 CHARITIES AND CORRECTIONS 3 credits First semester

The evolution of organized philanthropy; modern theories of charity; the application of the principles of eugenics to the treatment of dependents and defectives; causes and prevention of poverty; organization and management of charitable, penal, and reformatory institutions; juvenile and adult delinquency. Lectures, assigned readings, term paper. Prerequisites: Econ. 141-142. (———)

144 THE IMMIGRATION PROBLEM 3 credits Second semester

A study of the origins and bases of classification of the racial groups from the viewpoint of anthropology and ethnic characteristics; the racial characteristics and social conditions that favor and that hinder assimilation, with application to the principal racial groups in the United States. The aim of the course is to bring about a better understanding of the "foreign problem" and an appreciation of the contributions of foreign peoples to American civilization. Lectures, assigned readings, term paper. Prerequisite: One year in Sociology. (———)

145 RURAL SOCIOLOGY 3 credits First semester

Development and problems of rural society. The western community, surveys, community centers, place of the church and the school, rural health problems, the future of rural life in America. Each student will prepare a report covering some phase of the rural problem in Idaho. (———)

BUSINESS

Primarily for Undergraduates

61-62 TYPEWRITING 2 credits Each semester

Previous training not required. Two semesters' work is necessary for credit. (GAMWELL)

63-64 SHORTHAND (PITMANIC) 3 credits Each semester

The Pitmanic system of shorthand is taught in this course. No credit is given for less than two semesters' work. The course covers the fundamentals and prepares the student for the dictation class. (GAMWELL and ———)

65-66 SHORTHAND (GREGG) 3 credits Each semester

A beginning course in Gregg shorthand. Primarily for students

in the School of Education. Since this course is for teachers, special emphasis is laid on methods. (GAMWELL)

67-68 INTERMEDIATE AND ADVANCED DICTATION (PITMANIC)

3 credits

Each semester

Dictation covering business literature of a wide scope, developing shorthand speed, and at the same time giving the student a knowledge of the best correspondence forms and usages. Dictation selected from many different lines of business material dealing with various phases of commerce and industry. United States Civil Service examinations; practical secretarial work. (GAMWELL and ———)

71-72 INTERMEDIATE AND ADVANCED DICTATION (GREGG)

3 credits

Each semester

Dictation from a collection of material so graded and classified as to be effective in the development of shorthand speed, and so varied as to give the student an extensive business and shorthand vocabulary, both technical and general. Thoro review of principles. Business procedure. Material and subject matter selected largely from the standpoint of the commercial teacher. (GAMWELL)

81-82 PRINCIPLES OF ACCOUNTING 3 credits

Each semester

A detailed study of accounts. Practice in the use of journals employed in ordinary accounting. Emphasis is laid on the purpose of the various accounting records and the information that each should give. In the second semester a set of books is opened. Corporation accounting, eight-column statements, controlling accounts. Text, lectures, quiz, laboratory. (WILDE)

For Advanced Undergraduates and Graduates

161 OFFICE MANAGEMENT

3 credits

First semester

Takes up study of a well organized business office, filing systems, office appliances, business ethics, position of a private secretary defined, managing callers, handling correspondence, reports, appointments, accounts. Limited to students majoring in Business. (GAMWELL)

163 BUSINESS ADMINISTRATION

3 credits

First semester

The general field of business administration and the tasks of the executive; the problems of plant location as presented to the manager; the administration of personnel; the work of the personnel manager in reducing turnover and increasing efficiency; training of employees; promotion; marketing problems; channels of distribution; price policies; the problems of finance; methods of raising capital and the advantages of each; loans and trade credit; problems of production; scientific management; problems of risk-bearing; the speculative contract; the form of the business unit; analysis of a business case. (SCHOONOVER)

- 164 CORPORATION FINANCE 3 credits Second semester
Sources of capital developed from an analysis of various balance sheets; cash budgeting and general budgeting; devices for securing capital; the trade acceptance, bank credit, short term credit institutions; various kinds of stocks and bonds and factors which determine the use of each; amortization plans; state laws regarding incorporation and control of business units; dividend policies, liquidation, receiverships, reorganization policies; financial policies in the broad sense and in the narrower sense are developed from a study of present day corporations. (SCHOONOVER)
- 165-166 BUSINESS LAW 2 credits Both semesters
The course gives the student a knowledge of the ordinary legal aspects of common business transactions. Topics taken up for study are: contracts, sales, agency, partnership, corporations, guaranty and surety, bailment and negotiable papers. (GILL)
- 167-168 GOVERNMENT REGULATION OF BUSINESS 2 credits Both semesters
Federal and state legislation affecting business, regulation of interstate and intrastate commerce, anti-trust legislation, the Federal Trade Commission, regulation of public utilities, minimum wage and workmen's compensation legislation, arbitration and the industrial court, the injunction, taxation. (DALE)
- 169 MARKETING 3 credits First semester
Marketing functions, marketing of raw materials, marketing of manufactured products, market structure, market finance, the bearing of risk, market policies and price maintenance, competition, marketing of farm products, cooperative marketing. Prerequisites: Econ. 1-2, 11-12, or 13-14. (WILDE)
- 170 AGRICULTURAL COOPERATION 3 credits Second semester
The history and development of cooperation by farmers in agricultural and non-agricultural economic activities. Special emphasis is laid upon the application of cooperative organization to agricultural marketing. The principles of agricultural cooperation and their application to different commodities are discussed. Prerequisite: Econ 13. (WELLS)
- 171 BUSINESS CONDITIONS 3 credits First semester
For students preparing for executive positions in business. The work of this course covers a study of fundamental economic and business conditions with particular reference to western industries and enterprises. Each student will investigate a specific industry and the extent to which it is modified by such factors as the tariff, transportation costs, state and federal legislation, labor conditions, and the like. Practice will be given in plotting and graphing the

results of these investigations, which will be correlated to form the bases of a series of index numbers. It is expected that portions of the work will be issued from time to time as special bulletins of the Department. Open only to advanced students. Because of limited facilities and materials, enrolment is restricted to twelve. Given in alternate years. Offered, 1925-1926. (DALE)

- 172 PRINCIPLES OF FOREIGN TRADE 3 credits Second semester
Analysis of the principles underlying foreign trade from the standpoints of the consumer, the exporter, and the importer. Study of methods employed in selling American goods to foreign consumers thru various channels, such as the export commission house, export merchant, manufacturer's export selling agent, and resident agent in the foreign market. Study of ports and terminal facilities, including especially Pacific coast ports and dock systems; paper technique employed in foreign trade practice, such as export invoices, ocean bills of lading, marine insurance, ship paper, government requirements, and the like. Prerequisites: Econ. 1-2 or 11-12, 163. (WELLS)
- 174 STATISTICAL PROBLEMS 2 credits Second semester
Trends and cycles, correlation of time series, index numbers and problems. Prerequisite: Econ. 113. (WELLS)
- 176 ADVERTISING AND SELLING 3 credits Second semester
Discovering a proposition; sales points; self analysis and personal development; market analysis and sales plans in the retail and wholesale field; problems in sales and in sales-management. The psychological factors involved in advertising; attention and interest incentives; desire incentives; mediums, their classification and use; the technique of copy-writing, and class practice in copy-writing; kinds of copy; agencies and campaigns; department store advertising. Given in alternate years. Omitted, 1925-1926. (SCHOONOVER)
- 177 INVESTMENTS 3 credits First semester
Sources of savings; systematic savings plans; the making of family and personal budgets; kinds of investments; investment banking; functions of the investment banker; development of the brokerage business; technique; elements of ideal investments and their proper selection; keeping investment accounts; stocks and bonds in their relation to the trade cycle; blue sky laws. Prerequisites: Econ. 1-2 or 11-12. (SCHOONOVER)
- 178 RISK BEARING AND INSURANCE 3 credits Second semester
Nature of risk; risks of capital; cost of risk; methods of dealing with risk, speculation, investment and gambling; technique of the securities market, the Board of Trade, and the New York Stock Exchange; business forecasting and risk; the business cycle; the nature of insurance; life insurance, principles and practices and

problems; property insurance; rating methods and policy contracts; Lloyds, industrial insurance; surety. (SCHOONOVER)

181-182 ADVANCED ACCOUNTING 3 credits Each semester

Primarily a study of the accounting methods of corporations and other types of business organization. General principles of valuation and depreciation, introduction of cost accounts, elementary principles of auditing, a study of consolidations, consignments, and business analyses. Lectures, text, and quiz. Prerequisites: Econ. 81-82. Text: Walton, *Advanced Accounting*. (WILDE)

183 CERTIFIED PUBLIC ACCOUNTING 3 credits First semester

For advanced students intending to become professional accountants. Special branches of accounting, including estate accounting, actuarial science, mergers, consolidations, holding companies, foreign exchange, fire and life insurance. Actual C. P. A. problems will be used. Prerequisite: Econ. 181. Lectures and text, Finney, *Principles of Accounting*, volume II. (WILDE)

184 AUDITING 3 credits Second semester

A study of the principles of auditing; the auditor's qualifications, detailed balance sheet and special audits; working papers; procedure of the audit; liability of auditors and auditors' reports. Open to advanced accounting students. Lectures, text, quiz. Text: Montgomery and Staub, *Principles of Auditing*. (WILDE)

185-186 COST ACCOUNTING 2 credits Each semester

A study of the elements of cost of manufacture, distribution of direct and indirect expenses, cost on production orders and manufacture for stock. Set of cost accounts is kept. Lectures, text, laboratory. This course should be taken in conjunction with Advanced Accounting. Text: Walton, *Cost Accounting*. (WILDE)

187-188 FEDERAL INCOME TAX ACCOUNTING

2 credits Each semester

A study of the principles and application of the Federal Income Tax law. The 1924 Income Tax Act will be used. Lectures, text, problems. Prerequisite: Econ. 81 or equivalent. Text: Prentice-Hall, *Federal Tax Course*, 1924 edition. (WILDE)

192 METHODS IN COMMERCIAL TEACHING

3 credits Second semester

The course of study of the high-school commercial department. Methods and practice-teaching in shorthand, typewriting, bookkeeping and accounting, commercial arithmetic, commercial law, commercial geography and related subjects. Study and comparison of textbooks. The preparation and equipment of the commercial teacher. This course is open only to students who have taken or are taking

Econ. 81-82, Econ. 61-62, and Econ. 65-66 or their equivalent.
(GAMWELL)

Primarily for Graduates

- 263 BUSINESS FORECASTING 3 credits First semester
Form and extent of business risks; forecasting prices on the organized exchanges and boards of trade; agricultural forecasting; government crop reports; theories of the business cycle; the barometers of business, their construction and interpretation; the business forecasting services and their practical use. Graduate course open to properly qualified Seniors and to others only on special permission of the instructor. (SCHOONOVER)

EDUCATION

Professors MESSENGER, CRAWFORD, and SOULEN, Assistant Professor McCoy

Associate Professor ARMSTRONG

Students who expect to teach after two years of college work should take Courses 1, 2, 3, and 5.

Primarily for Undergraduates

- 1 INTRODUCTION TO EDUCATION 2 credits First semester
This is a general introductory course for those who have made no professional study of education. It seeks to cultivate an attitude favorable to the scientific investigation of educational problems. In order to accomplish this end it touches on a wide variety of topics, gives results of scientific studies that have been made, and raises vital questions for further study. Open to Freshmen and Sophomores. (CRAWFORD and McCoy)
- 2 SCHOOL-ROOM MANAGEMENT 2 credits Second semester
A study of the practical classroom problems of the teacher, including such topics as discipline, classification of students, the marking system, technique of teaching, and professional growth. Open to Freshmen and Sophomores. (CRAWFORD and McCoy)
- 3 PRINCIPLES OF EDUCATION 2 credits First semester
This course includes a survey of the organization of society and the educational functions of the principal social institutions, together with a study of the methods by which the school can best adapt its work to the needs of society. For those interested in a broad view of education rather than the technique of teaching. Open to Freshmen and Sophomores. (CRAWFORD)
- 5 IDAHO LAW, MANUAL, AND CIVICS 2 credits Either semester
This course deals with the Idaho school law, the state manual

and course of study, and the civil government of Idaho. Required of all who wish to be recommended for a certificate. (McCoy)

7 PRINCIPLES OF TEACHING 3 credits First semester

This is a course in methods of teaching, intended primarily for students who have not had psychology. It involves a brief survey of the elements of psychology as they affect the work of the classroom teacher. (CRAWFORD)

9 METHODS OF STUDY 2 credits First semester

This course is intended to help the Freshman to be a better student. It consists of readings and lectures on such topics as note-taking, outlining, using the library, organization of papers, economy and distribution of time, planning one's course of study, concentration, reviewing, etc. It is required of all Freshmen in the School of Education. (CRAWFORD)

For Advanced Undergraduates and Graduates

105-106 HISTORY OF EDUCATION 3 credits Each semester

A survey of the development of the educational ideals and practices from the age of primitive man to the present. The purpose is to consider what has been thought and tried in the past and use the information thus gained in evaluating the theories and practices of today. (MESSENGER)

111 THE JUNIOR HIGH SCHOOL 3 credits First semester

This course is a study of the fundamental principles of present-day reorganization of high-school education, with special emphasis upon the Junior High School organization, administration, and method of instruction. (CRAWFORD)

113 SECONDARY EDUCATION 3 credits First semester

A study of high-school education from three points of view, as follows: (a) The high-school pupil and his characteristics; (b) The high school as an institution and its relation to society and to other educative institutions; (c) The high school course of study, especially as regards the aims and values of the different subjects. The question of methods of teaching is treated only incidentally and those who wish to pursue that topic should take Education 114. (CRAWFORD)

114 HIGH-SCHOOL METHODS 3 credits Second semester

This is a course in the practical problems of teaching technique. It seeks, however, to establish fundamental principles of procedure rather than specific formulae. Some sample topics are: the selection and organization of subject matter; adapting instruction to individual differences; the use of books; lecture, laboratory, demonstration, and conversational methods; supervised study; measuring results; lesson planning. (CRAWFORD)

- 131 OBSERVATION AND TEACHING IN HIGH SCHOOL
1-4 credits Each semester
To be arranged with the Director of Practice-Teaching and the Dean of the School of Education.
- 133 OBSERVATION AND TEACHING IN ELEMENTARY SCHOOL
1-4 credits Each semester
To be arranged with the Director of Practice-Teaching and the Dean of the School of Education.
- 135 OBSERVATION AND TEACHING IN PUBLIC SCHOOL MUSIC
1 credit Either semester
- 157 OBSERVATION AND TEACHING IN HOME ECONOMICS
(H.Ec. 157) 5 credits Either semester
- 155 OBSERVATION AND PRACTICE IN TEACHING AGRICULTURE
1-5 credits Second semester
(Agr.Ed. 155.) (ARMSTRONG, LATTIG)
- 153 METHODS OF TEACHING HIGH-SCHOOL AGRICULTURE
3 credits First semester
(Agr.Ed. 153.) (ARMSTRONG)
- 151 RURAL LIFE AND EDUCATION 3 credits First semester
(Agr.Ed. 151.) (ARMSTRONG)
- 152 VOCATIONAL EDUCATION 2 credits Second semester
(Agr.Ed. 152.) (ARMSTRONG)
- 154 VISUAL PRESENTATION 2 credits Second semester
(Agr.Ed. 154.) (ARMSTRONG)

Primarily for Graduates

- 203 EDUCATIONAL MEASUREMENTS 3 credits First semester
Recent movements seek not to eliminate opinion but to support it by scientific evidence. This course acquaints the student with the machinery used in such investigations and develops skill in its use. The use of "Standardized Tests" in actual class-rooms to determine school efficiency is included. For Graduate students, and advanced undergraduates by permission. (SOULEN)
- 204 SCHOOL ADMINISTRATION 3 credits Second semester
An introductory course dealing with the problems of school organization, administration, and supervision. The following topics will be considered: units of control; school costs and support; equipment; the classification of pupils; measurement of class-room achievements. For Seniors and Graduates. (SOULEN)

- 205-206 SCHOOL SURVEYS 3 credits Each semester
A review of recent school surveys in cities, counties, and state, emphasizing the importance of measuring educational efficiency. For graduate students. (SOULEN)
- 207-208 SUPERVISION OF INSTRUCTION 3 credits Each semester
In small cities a large and important part of the superintendent's work consists of the supervision of instruction. This course is intended to help those preparing for superintendencies to be able to improve their teachers while in service. It will include references to the most common sources of weakness in teachers and a study of the methods of strengthening the daily instruction. Open to graduate students, and by permission to other advanced students of Education who have had experience in teaching. (MESSENGER)
- 210 PHILOSOPHY OF EDUCATION 3 credits Second semester
The aim of this course is to bring together and unify the facts and principles elaborated in various field of education, to think beyond the technique of school practices, to define some educational objectives, and to discover the meaning and place of education in the social structure of which we are a part. For Seniors and Graduates. (MESSENGER)
- 211 CURRICULUM CONSTRUCTION 3 credits First semester
A study of the curriculum from three points of view: (1) Principles that should govern the selection of subject matter; (2) actual scientific studies that have been made regarding the place and value of different subjects; (3) the methodology of research involved in scientific curriculum construction. (CRAWFORD)
- 251-252 SEMINAR IN AGRICULTURAL EDUCATION
1 to 4 credits Each semester
(ARMSTRONG)
- 253-254 RESEARCH IN AGRICULTURAL EDUCATION
1 to 4 credits Each semester
Results of the study will be presented in a thesis. (ARMSTRONG)
- 260 SCIENTIFIC METHODS IN EDUCATION 3 credits Second semester
This is a course in methods of research, experimentation, and investigation. It should be useful to those who expect to do research for a thesis and also those who wish to apply scientific methods of investigation in their own schools after they begin to teach. The essential principles of experimental and statistical procedure are applied to actual investigations carried out by the class. The class experiments will be devoted to the evaluation of different methods of study and teaching. (CRAWFORD)

261-262 EDUCATIONAL RESEARCH Credits to be arranged Each semester

This is for students working for the Master's degree. It is done under the direction of the professor in whose subject the greater part of the work is offered. All research students will meet once a week for discussion of problems. Members of the Faculty will be present and take part.

ELECTRICAL ENGINEERING

Professor JOHNSON, Mr. FARRAR

Primarily for Undergraduates

21 ELEMENTS OF RADIO-TELEGRAPHY 2 credits First semester

An elementary course dealing with the fundamentals of direct and alternating currents in their application to radio-telegraphy, and practical work in the handling of radio apparatus. Two recitations a week. Open to all students who have completed high-school physics. Elective.

22 ELEMENTARY ELECTRICAL ENGINEERING 3 credits Second semester

Study and problems in the fundamentals of electrical engineering. Prerequisite: Phys. 11.

24 TELEPHONE PRACTICE 1 credit Second semester

A study of the construction and maintenance of simple telephone lines. Twice a week for eight weeks. Primarily for Rangers.

For Advanced Undergraduates and Graduates

131 DIRECT CURRENT MACHINERY AND DISTRIBUTION 2 credits First semester

A study of the theory, construction, and operation of direct-current generators and motors, and the calculation of distribution systems for light and power. A general introductory course for Civil, Chemical, and Mining Engineering students. Prerequisites: Phys. 11-12.

132 ALTERNATING CURRENT MACHINERY AND LABORATORY 2 credits Second semester

A general course in continuation of E.E. 131, treating of alternating current machinery and circuits. One recitation and one three-hour laboratory period. Prerequisite: E.E. 131.

133 DIRECT CURRENT MACHINERY 3 credits First semester

An elementary course considering the fundamentals of electrical engineering particularly as applied to direct current machinery. Required of Junior Electrical and Mechanical Engineers. Prerequisites: Phys. 11-12.

- 134 ALTERNATING CURRENT MACHINERY 3 credits Second semester
A continuation of E.E. 133, dealing with alternating current circuits and machinery. Prerequisite: E.E. 133.
- 135 ELECTRICAL ENGINEERING LABORATORY 2 credits First semester
The use of instruments, the testing and operation of direct-current machinery and apparatus. Primarily for electrical students. To accompany E.E. 133.
- 135a ELECTRICAL ENGINEERING LABORATORY 2 credits First semester
Same as E.E. 135, but designed for non-electrical students.
- 136 ELECTRICAL ENGINEERING LABORATORY 2 credits Second semester
The use of instruments, the testing and operation of direct- and alternating-current machinery and apparatus. For electrical students. To accompany E.E. 134.
- 136a ELECTRICAL ENGINEERING LABORATORY 2 credits Second semester
Testing and operation of alternating-current machinery. Designed for non-electrical students and to accompany E.E. 134.
- 141 ELECTRICAL ENGINEERING 5 credits First semester
An advanced course in the theory and operating characteristics of alternating-current machinery, and apparatus. The use of the complex quantity in the calculation of alternating-current phenomena. Prerequisite: E.E. 134.
- 142 ELECTRICAL ENGINEERING 5 credits Second semester
A continuation of E.E. 141, taking up the theory of the special alternating-current machines and the operation of transmission systems. Prerequisite: E.E. 141.
- 143 ELECTRICAL ENGINEERING LABORATORY 2 credits First semester
Work in the laboratory on alternators, synchronous and induction motors, transformers, meters, and polyphase systems. Prerequisite: E.E. 141.
- 144 ELECTRICAL ENGINEERING LABORATORY 2 credits Second semester
A continuation of E.E. 143, with intensive tests upon the equipment studied in E.E. 141 and 142. Some work with the oscillograph.
- 145-146 POWER SEMINAR 1 credit Each semester
Discussions of typical powers and industrial applications, with problems and reviews of current articles in the technical press. The

preparation and presentation of papers on assigned subjects. Required of Seniors in Electrical Engineering.

- 147 ELECTRICAL DESIGN 3 credits First semester
Design of simple electro-magnetic machinery. Prerequisites: E.E. 133 and 134.
- 148 ELECTRIC RAILWAY ENGINEERING 3 credits Second semester
A study of electric railway economics, construction, and operation. Prerequisite: E.E. 132 or E.E. 134.
- 150 ADVANCED RADIO-TELEGRAPHY 3 credits Second semester
A theoretical course in radio-telegraphy involving a mathematical treatment of circuits and apparatus. Open only to students of electrical engineering and physics with Senior standing. Elective.
- 151 ILLUMINATION AND PHOTOMETRY 2 credits First semester
A general course treating of the principles of illumination and photometry; the comparison of illuminants; a study of the proper lighting of homes, public buildings, and factories. Prerequisite: A knowledge of elementary physics. Elective.
- 152 THESIS 3 credits Second semester
An original investigation or dissertation upon some subject in electrical engineering.
- 153 CENTRAL STATIONS 3 credits First semester
Design and intensive study of central stations, their layout and equipment. Prerequisites: E.E. 132, or E.E. 134, and M.E. 122. Elective.
- 154 ELECTRICAL ENGINEERING PROBLEMS 3 credits Second semester
The complete solution of various engineering projects; design; choice of materials; comparative costs. Prerequisite: Senior standing.

Primarily for Graduates

- 201-202 ADVANCED ELECTRICAL ENGINEERING LABORATORY 2 credits Each semester
Problems in transient, high-frequency, and high-voltage phenomena.
- 203-204 ADVANCED SEMINAR 1 credit Each semester
Study and discussion of present-day problems of advanced nature.
- 205 POWER PLANT ECONOMICS 3 credits First semester
Study of design, operation, and organization of power plants as related to public utilities.

ENGLISH

Professor MILLER, Associate Professor CUSHMAN, Assistant Professors STEWART and MICHAEL, Mr. McLAUGHLIN, Mr. MASON, Miss McDANIEL, Miss SHELDON, Mr. SANDUSKY, Miss BURKE, and Mrs. SEELY

Students notably deficient in spelling, punctuation, capitalization, sentence or paragraph structure, or giving other evidences of illiteracy, will be required to meet in a special sub-Freshman section three hours a week, without credit, or to do other work prescribed by the Department, until such deficiencies have been removed. Juniors and Seniors are not exempt from this rule.

The regular courses in the Department are divided into two groups, required and elective. The Freshman course (1-2) is required of all first-year students. Courses 3 and 5 in composition are required for certain groups of students. Course 11-12 is required of candidates for the B.A. degree and is a prerequisite to most of the advanced courses in the Department. Courses 13-14 and 15-16 are recommended to satisfy the requirements in literature for B.S. students and students in the special curricula in the College of Letters and Science, and as electives for students in any division of the University. The advanced elective courses are intended to serve the needs of those who are taking either a Major or a Minor in the Department and of those in other fields of study who want further work in English either for cultural or for practical purposes. They offer work in the following fields of investigation: linguistic development; periods of literary history; literary types; advanced composition; public speaking; dramatic art; journalism; and methods of teaching English. Students who expect to ask the Department for recommendations to teach English should take Course 107-108 and at least an elementary course in public speaking or play production. Students who desire credit for intercollegiate debate must register for such credit. Credit for work on the *Argonaut* may be obtained thru registration in Course 53-54 or 101-102.

Primarily for Undergraduates

- 1-2 ENGLISH COMPOSITION 3 credits Each semester
 Required of all first-year students in all colleges and schools. Regular conference hours for each student. The aim in the first semester is to make clear in theory and practice the general rhetorical principles and rules applicable to all kinds of prose composition. Hence emphasis is placed for the first twelve weeks upon the principles of composition and the rules of good use and the written work is largely expository. The remainder of the year is given to the theory and practice of the separate kinds of composition—description, narration, exposition, and argumentation. In this latter work, instead of emphasizing chiefly external principles and rules, attention is focused upon the results, upon the qualities of style—clearness,

force, and elegance. (MILLER, CUSHMAN, STEWART, MICHAEL, McLAUGHLIN, McDANIEL, SHELDON, SANDUSKY, BURKE, SEELY)

3 SUPPLEMENTARY COMPOSITION 2 credits First semester

Required of Sophomores in Letters and Science who make a D in Freshman English in 1924-1925 and thereafter. The course supplements English 1-2 by further practice in the fundamentals of good composition. The special needs of each student will be considered in personal conference. Some attention will be given to handling technical material from other fields of study. (McLAUGHLIN, McDANIEL, SANDUSKY)

5 ADVANCED COMPOSITION 3 credits Either semester

Required of Juniors (or Sophomores) in the technical curricula. Regular conference hours for each student. Emphasis is placed on the principles of structure in connection with work in formal exposition and argumentation dealing chiefly with technical material. Some attention will be given to the forms of technical reports and other types of writing of special value to technical students. Where possible some training will be given in oral composition. Collateral reading in both technical and general literature; reports. (McLAUGHLIN)

11-12 THE DEVELOPMENT OF ENGLISH LITERATURE

3 credits

Each semester

Required of all Sophomores in the B.A. curriculum, and a prerequisite to advanced courses in literature in the Department; recommended for students in the School of Education. The work of the course is introduced by a study of the nature of the chief literary types—the lyric, the drama, narrative poetry, prose fiction, and the essay. After this introduction the lectures trace in outline the development of English literature from the earliest times to the end of the nineteenth century, emphasizing the relation of literary production to the life of the times, and discussing the development of the chief literary types and the characteristics and achievements of the more important literary figures. Lectures, class and collateral reading, quizzes, and reports. (STEWART, McLAUGHLIN)

13-14 MODERN LITERATURE 2 credits Each semester

Recommended especially for students in the B.S. curriculum, for those in the various technical curricula, or as an elective for students in any division of the University. It is the chief purpose of the course to bring students into contact with the thought of our times as expressed in nineteenth century and contemporary literature. The first semester, an extensive reading course in the significant modern essays and fiction of various nations, has as its aim the understanding of present day life and thought in the world in general and in America in particular. The second semester's work is a more intensive and careful study of a few leading English and American poets. The course

is an alternative to Course 15-16. Lectures, class and collateral reading, reports. (SHELDON)

15-16 GREAT BOOKS 2 credits Each semester

Recommended as an alternative course to Course 13-14 and intended for the same classes of students. The course will bring the students into contact with a selection from the great books of the world from the Bible and Homer to recent times. Care will be used to choose the best English translations from foreign literature. Lectures, class and collateral reading, reports. (CUSHMAN)

31 FUNDAMENTALS OF SPEECH 2 credits First semester

A course in bodily action and voice production. This course is intended for beginners. Three sections; sections limited to twenty each. (MICHAEL, McDANIEL)

32 EXTEMPORE SPEAKING 2 credits Second semester

A course in speech construction. Emphasis upon analysis of subject matter, audience, and occasion. Drill in speech outlining and extempore presentation. One section. Open to students with English 31 or equivalent. Recommended for students taking Business or other technical curricula. (MICHAEL)

34 READING AND INTERPRETATION 2 credits Second semester

A course in reading, characterization, and interpretation. Intended for Freshmen who plan to take up English 41-42 or similar work. One section. Open to students with English 31 or equivalent. (MICHAEL, McDANIEL)

35 ARGUMENTATION AND DEBATE 2 credits First semester

A study of the principles of argumentation, with practice in their application in brief-making and platform presentation. One section. Open to students with English 31 or equivalent. (MICHAEL)

37 INTERCOLLEGIATE DEBATE 1 credit Either semester

Teams chosen by try-out. To receive credit, students must register immediately after being chosen for the team. (MICHAEL)

41-42 FUNDAMENTALS OF PLAY PRODUCTION 3 credits Each semester

A study of the one-act play as literature, as a form of English composition, and as a means of developing talent for the acting and staging of plays. No public appearance is guaranteed the members of this class. The course is designed for directors of high-school plays and for those students wishing to appear later in University dramatic productions. Open to any properly qualified student in the University; Freshmen, to register, must secure special permission from the head of the Department. (CUSHMAN)

51-52 NEWS WRITING 2 credits Each semester

Instruction and practice in the principles of news-writing. Study of the newspaper, its organization, and its purpose. One lecture and one three-hour night laboratory period each week. All written work is done on the typewriter. Freshmen may not enrol except by special permission of the head of the Department. (MASON)

53-54 JOURNALISTIC PRACTICE 1 or 2 credits Each semester

Three or six hours a week of journalistic writing and a weekly conference with the instructor. Open only to students who have completed English 51-52 or who have had equivalent newspaper experience. *Argonaut* staff members who are thus qualified may receive one credit for *Argonaut* work; those who wish other than *Argonaut* credit should register only after conference with the instructor. (MASON)

For Advanced Undergraduates and Graduates

101-102 NEWS EDITING 1 or 2 credits Each semester

Practice in copy-reading and headline-writing. Problems of newspaper desk-work. Proof reading. One three-hour laboratory period each week. A one-credit course, except for members of the *Argonaut* staff, who may register for two credits. Open to Juniors and Seniors who have completed English 51-52 or who have had newspaper experience satisfactory to the instructor. (MASON)

103-104 PUBLICITY AND BUSINESS WRITING 2 credits Each semester

An introduction to newspaper publicity and to copy-writing in advertising. Required of Juniors majoring in secretarial science in the Business Curriculum. May be taken advantageously as preparation for publicity work in educational, governmental, or scientific fields. Either semester's work may be taken independently. First semester: place of publicity in modern life; theory and practice of newspaper publicity; feature stories; ethics of publicity. Second semester: the writing of advertising copy, with attendant instruction concerning principles of typography and display and methods of illustration. Courses in journalism, salesmanship, advertising, and the psychology of advertising, tho not prerequisite to this course, will enhance its value. (MASON)

105-106 LITERARY COMPOSITION 2 credits Each semester

A study of the principles underlying successful composition in the short story, the literary essay, verse writing, and the drama, and considerable practice under criticism. Ordinarily not more than two of these forms will be studied in any one year; so, with special permission from the head of the Department, the course may be taken in successive years. Open only to those who have completed Freshman

and Sophomore English and have shown some aptitude in composition. (CUSHMAN)

107-108 THE TEACHING OF ENGLISH 2 credits Each semester

Bibliography. Organization of courses. Textbooks. The relation of grammar, composition, and literature to one another and to other subjects. Special methods in both composition and literature and practical work in applying them. Primarily for upperclassmen. This course should be taken by all students who expect to ask the Department for recommendation to teach English. It counts as a course in the School of Education, but not as credit toward an English major. (MILLER)

111 ELIZABETHAN LITERATURE 2 credits First semester

The non-dramatic literature of the Elizabethan age—the lyric, narrative poetry, and the beginnings of the essay. Spenser and Bacon and their contemporaries. Primarily for upperclassmen; open to Sophomores only by special permission. (Not given in 1925-1926.) (STEWART)

112 FROM SHAKESPEARE TO DRYDEN 2 credits Second semester

The seventeenth century from the death of Elizabeth to the Restoration. Ben Jonson, Browne, Walton, the Caroline poets, Milton, Bunyan. Primarily for upperclassmen; open to Sophomores only by special permission. (Not given in 1925-26.) (STEWART)

113-114 THE RESTORATION AND QUEEN ANNE AGES

2 credits

Each semester

Dryden, Defoe, Swift, Steele, Addison, Pope, and the dramatists. The rise of the essay, pseudo-classicism, the heroic drama, and the prose drama of manners. Primarily for upperclassmen; open to Sophomores only by special permission. (McLAUGHLIN)

115-116 ROMANTIC PROSE AND POETRY 2 credits Each semester

The transition to romanticism. The romantic writers from the middle of the eighteenth century to the death of Scott. The poets will be studied the first semester, the prose writers the second. Primarily for upperclassmen; open to Sophomores only by special permission. (STEWART)

117-118 VICTORIAN PROSE AND POETRY 2 credits Each semester

A study of the greater essayists and poets of the Victorian era, their interpretation of the life and ideals of their time, their relation to one another, and their influence upon their contemporaries and successors. The prose writers will be studied the first semester, the poets the second. Primarily for upperclassmen; open to Sophomores only by special permission. (Not given in 1925-26.) (McLAUGHLIN)

- 119-120 AMERICAN LITERATURE 2 credits Each semester
 The study of American literature both as an expression of the American spirit and as a part of the development of English literature. The development of American literature is traced from colonial times to the present. The first semester traces the development to 1870; the second semester from 1870 to the present. Primarily for upperclassmen; open to Sophomores only by special permission. (STEWART)
- 121-122 THE NOVEL 3 credits Each semester
 The development of English fiction is studied from *Beowulf* to the present, but the chief emphasis is placed upon the development of the novel in the eighteenth and nineteenth centuries, and the course is concluded with some analysis of present conditions and tendencies in both English and American fiction. Primarily for upperclassmen; open to Sophomores only by special permission. (Not given in 1925-26.) (MILLER)
- 123-124 CONTEMPORARY LITERATURE 2 credits Each semester
 A study of the development of literature in the twentieth century. The chief literary movements and the chief literary figures in poetry, the essay, the novel, and the drama. In 1925-26 the contemporary drama will be studied at least the first semester. For upperclassmen in any department of the University and for mature persons not regularly registered in the University. (CUSHMAN)
- 131 OLD ENGLISH 3 credits First semester
 Aim both linguistic and literary. The development of the language. Grammar and the reading of selected texts. The history of Old English literature, with wide readings in modern translations. Primarily for upperclassmen. (MILLER)
- 132 MIDDLE ENGLISH AND CHAUCER 3 credits Second semester
 The development of the language and literature to the end of the Middle English period. The study of Chaucer as poet and story teller. Primarily for upperclassmen. (MILLER)
- 133-134 ELEMENTS OF THE ENGLISH LANGUAGE 2 credits Each semester
 A study of the history, structure, and present use of English. Primarily for upperclassmen. (Not given in 1925-26). (SHELDON)
- 141 THE DRAMATIC INFLUENCES UPON SHAKESPEARE 3 credits First semester
 A study of the development of the drama to 1594. Folk dramatic material, miracle plays, moralities, interludes, and early regular drama. Special emphasis upon the work of Shakespeare's immediate predecessors and earlier contemporaries, and a comparison of this

work with Shakespeare's earlier plays. Theatrical and social conditions affecting the Elizabethan drama. Primarily for upperclassmen. (Not given in 1925-26.) (MILLER)

- 142 SHAKESPEARE 3 credits Second semester
Shakespeare's development and characteristics as dramatic artist, poet, and thinker. The more important plays after 1594 are read in class; all others after this date are read outside. In at least one play a careful study is made of the Elizabethan language, its relation to earlier forms of speech, and to late modern English. Primarily for upperclassmen. (MILLER)

- 143-144 ADVANCED PLAY PRODUCTION 3 credits Each semester
A study of the history of the staging and of the acting of plays, with special emphasis upon the interpretation of full-length plays. One lecture period a week, three-hour rehearsals in afternoon laboratories, and one public performance a month during the college year. Open to properly qualified students from English 41-42 or to those with equivalent training. (CUSHMAN)

Primarily for Graduates

- 201 FOLK LITERATURE 3 credits First semester
The origins of literature. Choric song and dance, the ballad, children's singing games, cowboy songs, and other folk literary forms, and their relation to the development of individual artistic literature. Primarily for Seniors and Graduates. Open to Juniors only by special permission. (MILLER)

- 202 ENGLISH LITERARY CRITICISM 3 credits Second semester
The development of literary theory from Ascham to Pater. The relation of criticism to the development of literature. Present tendencies in criticism. Primarily for Seniors and Graduates. Open to Juniors only by special permission. (MILLER)

- 207-208 SPECIAL PROBLEMS IN METHODS OF TEACHING ENGLISH
Credits to be arranged Each semester
A course in special research intended primarily for experienced teachers doing graduate work in the Department. Open to properly qualified graduate students. (MILLER)

- 211-212 RESEARCH Credits to be arranged Each semester
Research in preparation for graduate thesis and conferences on results. In addition each candidate for a graduate degree will meet with other graduates for special investigation of some one topic. This year the special topic has been: "The Points of View in Criticism from Ascham to the Present." Open to properly qualified graduate students. (MILLER)

ENTOMOLOGY*

Associate Professor WHITEHEAD

*Primarily for Undergraduates***1 GENERAL ENTOMOLOGY** 3 credits First semester

Anatomy, physiology, classification, and life history studies of insects in general. Detailed studies of the life history of the most important insects, with a view to thoro understanding of the principles underlying control measures for those insects. The more important general facts about insects as a class, the main characters of the different groups, and how the structure and habits of one group render it susceptible to certain control measures while in other groups entirely different measures are necessary. Two lectures and one three-hour laboratory weekly. (WHITEHEAD)

6 FOREST ENTOMOLOGY 3 credits Second semester

Study of insects in general and the principles of insect control, followed by special consideration of the insects of greatest economic importance in the forests. The importance of insects in forests will be stressed and detailed studies of the life histories and control of the various groups will be discussed. Each student will be expected to make a thoro study of some particular insect and submit a report on it in the form of a term paper. Four lectures weekly during the first nine weeks of the second semester. (WHITEHEAD)

*For Advanced Undergraduates and Graduates***101 ECONOMIC ENTOMOLOGY** 2 credits First semester

Detailed studies of the principles of insect control, followed by specific attention to individual insects of greater importance, to show how principles of control may be applied under varied conditions. The insects studied will be selected with intent to illustrate as nearly as possible all the conditions that may arise in insect control. Two lectures a week. Prerequisite: Ent. 1. (WHITEHEAD)

105 INSECT ANATOMY 3 credits First semester

External structures of various orders of insects. The types studied are selected to present the essentials of the structure of the exoskeleton, thus affording a basis for studies in Taxonomy. One lecture and two three-hour laboratories weekly. Prerequisite: Ent. 1. (WHITEHEAD)

111-112 SPECIAL PROBLEMS Credits to be arranged Each semester

This course is open to the more advanced students. Assignments will be made to special problems to be worked out at any time agreed upon between the student and the instructor. Problems of economic importance will be stressed. General Entomology is the only prere-

*For advanced courses, see under Zoology.

quisite but all students should have the approval of the instructor before enrolling for this course. (WHITEHEAD)

FORESTRY

Professor MILLER, Professor SCHMITZ, Assistant Professor WATSON,
Mr. NETTLETON

Primarily for Undergraduates

- 1 ELEMENTS OF FORESTRY 2 credits First semester
A general course dealing with forestry in its relation to the every-day life of the people; forest movement in the United States; forest influences; conservation with special reference to forest resources. Two lectures a week. (MILLER)
- 5 GENERAL FORESTRY 2 credits First semester
A course similar to Course 1, but given for non-forestry students. It includes a discussion of forest influences, the relation of forestry to transportation, commerce and manufacture, and the measures that must be taken to meet our needs for timber. Two lectures a week. (MILLER)
- 10 DENDROLOGY 3 credits Second semester
The object of this course is to enable the student to identify and classify trees and shrubs in the field. A study is made of the distribution, life history, and principal lumber species in the United States. Various manuals and tree books are available for laboratory, field, and class work. The student has access to an arboretum of more than 150 species. Two lectures or recitations and one laboratory or field period a week. (SCHMITZ)
- 16 OUR TREES AND HOW TO KNOW THEM 2 credits Second semester
A course for non-forestry students. Identification, distribution and economic uses of trees, with special reference to the trees of Idaho. (WATSON)
- 21 FOREST RESOURCES OF THE WORLD 2 credits First semester
Geographic distribution and character of the forests, and the forest situation in the different timber producing countries. Two lectures a week. (MILLER)
- 23 FOREST ECOLOGY 3 credits First semester
A course considering the relation of trees and forests to their environment. Temperature, light, moisture, nitrogen and soil relations, growth, reproduction, tree associations, and forest types will be studied with reference to forest production. Laboratory work will consist in experimenting with the effect of environmental factors on

tree growth. Two lectures and one field or laboratory period a week. (WATSON)

24 PRACTICE OF SILVICULTURE 3 credits Second semester

The establishment and care of the forest. Natural and artificial methods of regeneration, including the handling of woodlands as to cutting and improvement with particular reference to the present silvicultural practices of the United States Forest Service will be dealt with. Two lectures and one field or laboratory period a week. (WATSON)

28 FARM FORESTRY 2 credits Second semester

The relation of forestry to agriculture; the establishment of farm wood-lots and windbreaks—what, when, where, and how to plant. Especial emphasis is placed upon the value of windbreaks in the treeless belts. Ornamental planting and the preservative treatment of farm timbers are other topics considered. Two lectures a week. Open to students in other departments. (MILLER)

54 RECREATIONAL USES OF THE FOREST 2 credits Second semester

A study of the forest from the viewpoint of the camper, hunter, fisherman, naturalist, and tourist, with particular reference to national forests and parks. Two lectures a week. (WATSON)

61 FIRE PROTECTION 2 credits First semester

This course deals primarily with the methods of protecting the forests from fire, but includes also a brief study of the damages caused by insects, fungi, animals, and the natural elements. Causes of fire and their elimination; climate and fires; lookout development; fire fighting; fire ratings; publicity methods; fire laws in the Northwest; law enforcement. Two lectures a week. (NETTLETON)

For Advanced Undergraduates and Graduates

110 ADVANCED DENDROLOGY 2 credits Second semester

An intensive taxonomic and biologic study is made of the forest trees of the United States. Attention is given also to the principles of nomenclature and to the relative merits of the different "Codes." One lecture or recitation and one laboratory or field trip a week. Text: Sargent's *Manual of the Trees of North America*. (SCHMITZ)

131 WOOD TECHNOLOGY 4 credits First semester

A course dealing with the identification, structural, physical, mechanical, and chemical properties of wood; the moisture content, density, swelling, warping, and shrinkage of wood; color, grain, and texture. Two lectures or quizzes and two laboratory periods a week. Open to students in other departments. Text: Record's *Economic Woods of the United States*. (SCHMITZ)

132 TIMBER PHYSICS 2 credits Second semester

A course dealing with the various stresses resisted by structural

timbers; the mechanical properties of wood, the methods of timber testing, the factors which affect the mechanical properties of wood, and the physical properties of the economic woods of the United States. Two lectures or quizzes a week. (SCHMITZ)

133 FOREST BY-PRODUCTS 3 credits First semester

A course dealing with the chemistry of cellulose; the various processes of the manufacture of paper, viscose, artificial silk, cellulose acetate, etc. The manufacture and use of forest products—as tannin, naval stores, maple sugar, wood paving, veneers, cooperage, boxes and crates, poles, cross-ties, shingles and fuelwood; other minor wood-using industries and the utilization of waste. Three lectures or quizzes a week. Text: Brown's *Forest Products*. (SCHMITZ)

135 WOOD PRESERVATION 3 credits First semester

The relation between the structural, physical, and chemical properties of wood and durability are considered; the causes of decay; the various methods and theories of preservation; the fire-proofing of wood; and the prevention of sap stain. Two recitations and one laboratory period a week. Texts: Weiss' *Preservation of Structural Timber* and collateral reading. (SCHMITZ)

140 FOREST ECONOMICS 2 credits Second semester

A course dealing with the economic value and benefits of forests; the results of abuse of forest resources; the relation of the forest problem to other industries of the country; the forest resources of the United States and the requirements of our nation for forest products; lumber exports, and possible sources of imports; economic conditions in the lumber industry; land classification; the relation of the Government to the forest resources, and the essentials of a rational forest policy for the nation. Open to students in other departments. Two lectures a week. (MILLER)

141 FOREST HISTORY AND POLICY 3 credits First semester

The history of forestry in foreign countries; the forestry movement in the United States; development of forest policies by different states and a study of the different state forest laws and organizations; forest taxation laws in the different states. Fernow's *History of Forestry* and Ise's *The United States Forest Policy* are used as texts. Three lectures a week. (WATSON)

143 FOREST LAW 2 credits First semester

A course dealing with the elements of contracts, and laws relating to public lands and national forests. Special attention is given to the laws applying to grazing, timber cutting, mining, timber claims, leases, homesteads, etc. Two lectures a week.

151 RANGE MANAGEMENT 3 credits First semester

This course treats the technical methods employed by the Forest

Service in managing the western grazing grounds. It includes the methods of handling all kinds of livestock on the range, water development, eradication of poisonous plants, methods of regeneration of the range, etc., and the lines of research work which are known to be most effective in securing accurate data needed for such management. Two lectures and one laboratory period a week. May be taken as a two credit course. (WATSON)

152 NATIVE FORAGE PLANTS 3 credits Second semester

A study of the economic value, distribution, and growth characters of important range plants. Also a study of stock-poisoning plants, their effect on stock, and remedies. Two lectures and one laboratory period a week. (WATSON)

153-154 FOREST MENSURATION 3 credits Each semester

The course covers: The various methods of forest measurements such as the measurements of forest products and single trees; timber cruising; growth studies; preparation of yield, volume, and stand tables; form factors; complete stem analysis; method of selecting sample trees and training in making the most useful graphs and charts. Much of this work must be done in the field and complete sets of forest and surveying instruments are available to the student. Chapman's *Forest Mensuration* is used as a textbook. Two lectures and one laboratory or field period a week. (NETTLETON)

155-156 FOREST MANAGEMENT 3 credits Each semester

A course dealing with the most approved methods of forest administration, forest regulation, forest working plans, forest finance, and forest policies of the various states and the federal government. Special emphasis is placed on forest mathematics with relation to timber taxation and to timber investments and the practice of forestry as business propositions. Three lectures a week. (MILLER)

164 FOREST PATHOLOGY 2 credits Second semester

An intensive course dealing with the important forest-tree diseases in Idaho and their relation to silviculture, forest management, forest utilization, and grazing. During the latter part of the semester, the decay of lumber and structural timbers will be considered, with special emphasis on the physiological aspects of the question, lumber yard sanitation, etc. Two lectures a week. Text: Rankin's *Manual of Tree Diseases*. (SCHMITZ)

171 LOGGING 3 credits First semester

The organization of logging operations; various methods of log transportation, as driving, rafting, fluming, skidding by horse and steam power, hauling by caterpillar tractors, motor trucks and logging railroads; types of logging machinery; location of logging railroads; costs of operation; and appraisal of stumpage values. Bryant's *Logging* is used as a text. Three lectures a week. (NETTLETON)

172 LUMBER MANUFACTURE AND DISTRIBUTION

3 credits

Second semester

Equipment and operation of sawmills, disposition of waste, lumber yards and air seasoning, dry kilns and their operation, wholesale and retail distribution of lumber, railroad transportation of forest products, domestic and foreign markets, lumber prices. Bryant's *Lumber* is used as a text. Three lectures a week. (NETTLETON)

174 FOREST ENGINEERING

2 credits

Second semester

This course deals with the application of the principles of surveying to forest land. The work includes practice in the forest in using the traverse board and alidade, aneroid barometer, Abney hand level and clinometer, compass, topographic tape, etc.; making topographic maps by the various methods; locating corners; retracing old land lines; meandering; laying out trails and roads; location of logging railroads and laying out railroad curves in the forest; practice in commercial methods of timber reconnaissance. (NETTLETON)

180 THESIS

2 to 4 credits

First and Second semester

Each student before graduation must prepare a thesis on some phase of forestry work. This usually covers some practical work which the student has performed either in the field or in some of the laboratory courses.

181-182 SEMINAR

Each semester

Conferences on forestry matters, more particularly important phases of forest legislation and the trend of forestry developments. Open only to advanced or graduate students. Hours to be arranged. (MILLER, SCHMITZ, WATSON, NETTLETON)

Primarily for Graduates

223 SILVICULTURE

4 credits

First semester

This is an advanced course in which the more refined methods of silviculture and the management of the important types in the United States are taken up. Prerequisites: Forestry 23 and 24. Hours to be arranged. (WATSON)

230 FOREST PRODUCTS

2 credits

Second semester

A course dealing with the manufacture of paper, leather, naval stores, cellulose products, etc., from the manufacturing point of view. Prerequisite: Forestry 231. Hours to be arranged. (SCHMITZ)

231 WOOD CHEMICS

3 credits

First semester

A course dealing with the general chemical composition of cellulose, lignin, and other substances occurring in woods, with particular reference to commercial practices in the manufacture of paper, nitro-cellulose, and other cellulose products, and in wood distillation and tanning. A course in organic chemistry should precede or be

taken in conjunction with this course. Open only to advanced or graduate students. Hours to be arranged. (SCHMITZ)

232 WOOD PRESERVATION 3 credits Second semester

An intensive course dealing with the factors which cause the deterioration of wood and the methods of protection against these destructive agencies. The laboratory part of the work is expected to develop along original lines. Each student will be assigned a problem to work out. Hours to be arranged. (SCHMITZ)

234 WOOD TECHNOLOGY 3 credits Second semester

This course deals with the micro-structure of wood with reference to its identification and properties. The student will get practice in the various methods of wood sectioning, differential staining, the determination of the effect of various chemical re-agents on the cell structure, micro-measurements, and micro-photography. Prerequisite: Forestry 131. Hours to be arranged. (SCHMITZ)

250 FOREST MANAGEMENT 3 credits Second semester

Advanced work in any of the special fields of forest management. Prerequisites: Forestry 155 and 156. Hours to be arranged. (MILLER)

251 GRAZING 3 credits First semester

This course includes special problems in range management and a study of plant types in detail. Hours to be arranged. (WATSON)

270 LOGGING ENGINEERING 4 credits Second semester

Construction and use of various types of logging machinery; construction of landings, skidways, chutes, flumes, etc.; construction and organization of camps; special logging problems; logging cost-analysis; appraisalment of logging chances. For a six-weeks period at the end of the course, the work will be carried into the field, where commercial logging operations will be studied and practice given in estimating costs, laying out railroad lines, flumes and chutes and analyzing cost of operation. Open only to advanced or graduate students. Hours to be arranged. (NETTLETON)

271 THE LUMBER INDUSTRY 2 credits First semester

Advanced study of economic phases of the lumber industry, including personnel, organization, accounting, operating costs, finance, insurance, bonds, and tax returns. Open only to graduate students. Hours to be arranged. (NETTLETON)

281 RESEARCH

282 RESEARCH

CORRESPONDENCE COURSE

70 LUMBER AND ITS USES

This is a course offered by correspondence. It deals with the

structure of wood; physical properties of wood; identification of the leading commercial species; standard grades and sizes; structural timbers; seasoning and preservation of timber; paints and stains; lumber production; lumber prices; selection and use of wood materials. A prospectus will be sent on request.

RANGER COURSES

- A **FOREST ADMINISTRATION** 3 credits
Organization of the Forest Service; regulations governing the uses of the forest; improvement work; uses of forms; supervision of work. (MILLER, AND FOREST SERVICE OFFICIALS)
- B **TREE IDENTIFICATION** 3 credits
A course primarily designed to meet the requirements of men who have not had previous training in botany. Only the more simple characters by which the important commercial trees may be recognized will be considered, together with the distribution and general uses of these woods. Two lectures and one laboratory or field period a week. (SCHMITZ)
- C **SILVICULTURE** 3 credits
A special course dealing with environmental influences; natural and artificial methods of regeneration; silvicultural improvement of forests, with particular reference to the present silvicultural practice of the United States Forest Service. (WATSON)
- D **SCALING AND CRUISING** 3 credits
Principles of construction of log rules, theory and practice of log scaling, construction of volume tables, a study of the various methods of timber estimating with field practice designed especially to develop the student's ability to estimate diameters, heights, and distances accurately. Two lectures and one laboratory or field period a week. (NETTLETON)
- E **SURVEYING AND MAPPING** 3 credits
A course covering the methods of forest surveying, including the use of traverse board, Abney hand level and clinometer, compass, topographic maps; locating corners and retracing old land lines. One lecture and two field or office periods a week. (NETTLETON)
- F **FOREST PROTECTION AND IMPROVEMENTS** 2 credits
A study of the damage to forests caused by insects, fungi, animals, the natural elements, and fire, and the various methods of combating these enemies. A study of location and construction of roads and trails, including bridge designs and construction. (NETTLETON)
- G **MECHANICAL DRAWING** 2 credits
Practice in lettering; use of drafting tools; orthographic pro-

jection; exercises in construction and reading of working drawings and blue prints and drawing of timber structures. Two periods a week. (WATSON)

H FOREST GRAZING 2 credits

History of the grazing industry; range management; methods of handling livestock on the range; native forage plants. (WATSON)

ENGLISH COMPOSITION 3 credits

Drill work in sentence structure, capitalization, and punctuation; weekly themes and letter writing; also practice in outlining and writing reports.

FIRST AID TO THE INJURED

What to do in case of accidents, and the use of simple remedies.

ANIMAL HUSBANDRY 1½ credits

This course is intended to assist in acquiring a practical knowledge of the stock business. Feeds and feeding, breeding, care, and management of livestock are considered. Stock judging. (HICKMAN)

VETERINARY SCIENCE 1½ credits

A course designed to give such instruction as will meet the needs of stockmen in handling common diseases of animals or performing simple surgical operations. The minor ailments met with every few days receive special attention and specific directions are given as to treatment.

FRENCH

(See under Modern Languages)

GEOLOGY AND MINERALOGY

Professor LANEY, Assistant Professor KIRKHAM, and Mr. CARDER

Primarily for Undergraduates

1 GENERAL GEOLOGY 3 or 4 credits First semester

A foundational course in structural and dynamical geology, open to all students. It deals with the minerals and rocks making up the earth's crust; rock weathering and the formation of soil; the work of the wind, streams, glaciers, and ocean; earth movements and mountain making. Many examples are taken from Idaho and adjacent states. Lectures, assigned readings, and quizzes.

The laboratory work consists of interpretation of the work of geologic agencies and processes as represented by topographic maps; simple tests on the common minerals and sight recognition of the more important economic and rock-forming minerals and all common types of rock. Occasional short field trips. One three-hour labora-

tory period each week. The laboratory work is an integral part of the four-credit course and cannot be taken separately. No laboratory work is required in the three-credit course. (LANEY, KIRKHAM, CARDER)

2 HISTORICAL GEOLOGY 3 or 4 credits Second semester

A statement of the theories concerning the origin of the solar system and the earth; a consideration of the events that have happened to the earth in the past, as revealed by the rocks and fossils; a review of the varied distribution of land and sea and their character in past ages; and a brief study of the different successions of organic life which have inhabited the earth. Lectures, assigned readings, quizzes.

The laboratory work consists of the interpretation of the earth's structure and stratigraphy as shown upon geologic maps of various localities; development of life as shown by fossils, and study of the development of land areas during geologic time. Field expeditions are conducted so as to illustrate the practical application of the facts learned. One three-hour laboratory period each week. The laboratory work is an integral part of the four-credit course and cannot be taken separately. No laboratory work is required in the three-credit course. (LANEY, KIRKHAM, CARDER)

7 GENERAL GEOGRAPHY 2 credits First semester

This course is designed to be a general introduction to the science of Geography. The first six weeks deal with modern political geography and oceanography and the last twelve weeks are devoted to the fundamental principles of physical geography. (KIRKHAM)

8 WEATHER AND CLIMATE 2 credits Second semester

A study of the fundamental relationships of geographic principles to climate and weather. This course is essentially a consideration of the principles involved in weather forecasting as practiced by the United States Weather Bureau. Prerequisite: Geol. 1 or Geol. 7. (KIRKHAM)

19 SOIL GEOLOGY 2 credits First semester

Covers the origin, transportation, and general formation of soils; rock disintegration and decay; and the relation of soils to rocks. Studies of surface forms and drainage, both surface and underground, their relation to soils, the effect of climate upon them, and the mineralogical composition of the principal types of soils. Designed primarily for students in Agriculture and Forestry, but open to all students. (Given in alternate years; given in 1925-26.) (LANEY)

21 ECONOMIC GEOGRAPHY 3 credits First semester

A study of the elements of natural environment and their influence on industrial conditions, production, and trade. A review of the geography and industrial history of the important commercial

products, land and water trade routes, commercial cities and nations. Emphasis is placed on trade of the United States with Europe since the war, and with South America and the Orient. Lectures, reading, lantern slides, study and preparation of maps and graphs. Essentially a course for students in Business. (KIRKHAM)

22 GEOGRAPHY AND CIVILIZATION 3 credits Second semester

A study of the relationships between geography and the beginnings and progress of civilization. The effects of geographic environments upon human history. A course designed for students in Education, History, and Business. Prerequisite: Geol. 1, or 21, or 7. (KIRKHAM)

23-24 MINERAL RESOURCES 2 credits Each semester

A non-technical course in the study of the mineral resources of the United States and the world, dealing with the sources, distribution, and reserves of the important economic minerals, including discussions of their use and importance in our economic life, the costs involved in their mining, transportation, smelting, and the labor necessary for the various processes. The course is designed to give the student a fairly comprehensive view of the mineral industry as a whole and the economic features involved in it. (Given in alternate years; given in 1926-27.) (LANEY)

For Advanced Undergraduates and Graduates

103 MINERALOGY 2 credits First semester

A thoro study of crystallography, followed by descriptive mineralogy, and training in field recognition of hand specimens by physical characteristics. Two three-hour laboratory periods. Prerequisites: Chem. 1-2. (KIRKHAM)

104 DETERMINATIVE MINERALOGY 2 credits Second semester

A continuation of Geology 3. Particular emphasis is placed upon sight recognition of minerals, the student being required to familiarize himself thoroly with all the common and important minerals and most of the rarer ones. Several thousand specimens both labeled and unlabeled are available for this work. Two three-hour laboratory periods. Prerequisites: Geol. 103; Chem. 1-2. (KIRKHAM)

109 ECONOMIC GEOLOGY 3 credits First semester

Lectures and recitations dealing with the process of mineral deposition, and examples of the different ore deposits of the world. Genetic classification of the metallic ores, theories of ore deposition, secondary enrichment, and the occurrence of ores of iron, copper, lead, zinc, gold, silver, etc. Particular attention is given to ore deposits of the western United States. Prerequisites: Geol. 1-2, 103-104; Chem. 1-2; Physics 1-2. (LANEY)

- 110 ECONOMIC GEOLOGY 3 credits Second semester
A study of the economic deposits of the non-metallic minerals such as coal, oil, clay, phosphate, etc., with reference to their occurrence, production, and use, along with a discussion of important papers by eminent authorities. Prerequisites: Geol. 1-2, 103-104; Chem. 1-2; Phys. 1-2. (KIRKHAM)
- 111 OPTICAL MINERALOGY 2 credits First semester
A study of the optical properties of minerals and the application of these in determining minerals in thin sections and small particles. Lectures, readings, and laboratory work. Prerequisites: Geol. 1 and 103-104 and Phys. 1-2. One hour of lecture, three hours of laboratory. (Given in alternate years; given in 1925-26.) (LANEY)
- 113 STRUCTURAL GEOLOGY 2 credits First semester
Detailed studies of folds, faults, the principles involved in their formation, and the solution of geologic problems involving folds and faults, together with discussions upon the relation of these subjects to ore-deposits. Lectures, readings, interpretation of geologic maps. Prerequisites: Geol. 1-2; Chem. 1-2; Phys. 1-2. (Given in alternate years; given in 1926-27.) (LANEY)
- 114 PETROGRAPHY 2 credits Second semester
Studies of the igneous, metamorphic, and sedimentary rocks with the petrographic microscope. The relationships and classification of the igneous rocks based upon chemical and physical composition. Studies and mineralogical analyses of ore deposits, gangue, and ores, by means of the microscope, including the principles of photomicrography. Prerequisites: Geol. 103-104 and 111; Chem. 1-2. (Given in alternate years; given in 1925-26.) (LANEY)
- 115 PETROLOGY 2 credits First semester
A general study of all the common rocks and rock-forming minerals. A study of their components, occurrence, and structure relations. Of special interest to geology majors. One lecture and one three-hour laboratory period. Prerequisites: Geol. 1-2, 103-104. (Given in alternate years; given in 1925-26.) (KIRKHAM)
- 116 GEOLOGY OF IDAHO 2 credits Second semester
Lectures, reading, lantern slides, and maps covering the geology and mineral resources of the state. Prerequisites: Geol. 1 and 2, (Given in alternate years; given in 1926-27.) (KIRKHAM, LANEY)
- 120 PETROLEUM GEOLOGY 2 credits Second semester
A study of stratigraphy and structure with special reference to oil possibilities and petroleum engineering, including the origin, accumulation, occurrence, and production of petroleum, with a review of the world's greatest oil fields. An intensive study is made of topographic and geologic maps, field methods, and drilling apparatus.

Prerequisites: Geol. 1-2, 103-104; Chem. 1-2; Phys. 1-2. (Given in alternate years; given in 1925-26.) (KIRKHAM)

128 METAMORPHIC GEOLOGY 2 credits Second semester

A study of the different types and kinds of rock and mineral alterations on the basis of the physical and chemical factors and changes involved. Lectures, recitations, reports, and assigned readings. Prerequisites: Geol. 1-2, 111-114; Chem. 1-2; Phys. 1-2. (Given in alternate years; given in 1926-27.) (LANEY)

130 METHODS OF GEOLOGICAL FIELD-WORK 2 credits Second semester

Lectures and assigned readings on methods of procedure in geological field-work, geological mapping, note-taking, and preparation of geological maps and reports and practical application of these principles in actual field-work. A definite area will be assigned to each student or to a group of students for topographic and geologic mapping and for the preparation of a geologic report. Prerequisites: Geol. 1-2, 111, 114; C.E. 15-16. (LANEY)

199-200 THESIS 2 credits Each semester

Must be taken by all students taking the geological option. Since this course will in most cases require field work, it will be necessary to consult the instructor in regard to this in the month of June preceding. (LANEY)

Primarily for Graduates

213 OPTICAL MINERALOGY 2 credits First semester

Devoted to optical studies of opaque minerals and ores, and various furnace products such as slags and mattes. The principles of photomicrography will be studied and many photomicrographs made. The course is designed to familiarize the student with the application of the microscope to the problems of geology, mineralogy, and metallurgy. Lectures, readings, and laboratory work. Prerequisites: Geol. 1-2, 103-104; Chem. 3. One hour of lecture and three hours of laboratory. (LANEY)

225-226 GEOLOGIC RESEARCH Credits to be arranged

This course is designed as advanced work for students taking the Geological Option and for Graduate students in geological sciences. If possible the subject of research should be chosen during the latter part of the year preceding registration in the course. The applicant's qualifications must satisfy the instructors before admission to the work. (LANEY, KIRKHAM)

GERMAN

(See under Modern Languages.)

GREEK

(See under Classical Languages,)

HISTORY

Professor CHURCH, Associate Professor BROSNAN, Mrs. BLOMQUIST

Professor AXTELL

Primarily for Undergraduates

- 1 THE EARLY MIDDLE AGES 3 credits First semester
European history from the decay of the Roman Empire to the revival of the Roman law in the twelfth century. The beginnings of the three chief medieval institutions—the Christian church, the Holy Roman Empire, and the feudal system—are studied. The work consists of informal lectures and weekly written exercises by the students, based upon their collateral reading. (CHURCH)
- 2 THE LATER MIDDLE AGES 3 credits Second semester
Continuation of preceding course thru the Renaissance. Treats the rise of national monarchies in France and England, persistence of the imperial idea in empire and church, and emergence of the middle class, with consequent downfall of the feudal system and development of secular culture. (CHURCH)
- 3-4 MODERN EUROPE 3 credits Each semester
Following a brief review of European politics and society about 1600, the general history of the modern nations is traced thru the periods of the ascendancy of France, the enlightened despotisms, the French Revolution and empire, the age of Metternich, the growth of nationalism. Prerequisites: Hist. 1-2, Hist. 9-10, or Econ. 21-22. (CHURCH)
- 6 ECONOMIC HISTORY 3 credits Second semester
A survey of the historical development in modern times of agriculture, industry, and commerce, currency and banking, population and labor. The work will consist of lectures with textbook and examinations. Required of Freshmen in the Business Curriculum. (CHURCH)
- 9-10 HISTORY OF THE UNITED STATES 1492-1789
3 credits Each semester
A general survey of the period from 1492 to 1789. A detailed study of the epochs of discovery, exploration, colonization, the American Revolution, the confederation and the constitution. Primarily for Freshmen. Open to all students. (BROSNAN)

11-12 HISTORY OF THE UNITED STATES 1789-1925

3 credits

Each semester

A general survey of the period from 1789 onward: an intensive study of the Federalist regime; the Jeffersonian era; Jacksonian Democracy; the slavery struggle and Civil War; reconstruction; the United States as a world power; America since the World War. Advisable for pre-legal and commerce students. (BROSNAN)

13 GREEK CIVILIZATION

3 credits

First semester

The course deals with the Grecian government, customs, art, literature, and institutions. It is carried on thru lectures by the instructor, and reports, papers, and written exercises by members of the class. May be elected as part of the eighteen credits in Social Sciences required of B.A. students. See page 47. (AXTELL)

14 ROMAN CIVILIZATION

3 credits

Second semester

This course deals with the Roman government, customs, art, literature, and institutions. It is carried on thru lectures by the instructor, and reports, papers, and written exercises by members of the class. May be elected as part of the eighteen credits in Social Sciences required of B.A. students. See page 47. (AXTELL)

For Advanced Undergraduates and Graduates

103 THE RENAISSANCE

3 credits

First semester

Chivalry and humanism as terms descriptive of the culture of the late medieval and early modern period in Europe. The development of literature, painting, sculpture, and architecture, the revival of science, the age of discovery, the undermining of the church by the new critical spirit which proclaimed the awakening of the individual. Prerequisites: Hist. 1-2 or 13-14. (CHURCH)

104 THE REFORMATION

3 credits

Second semester

The revolution in religious and political thought which accompanied the attack on the church in the sixteenth century. The growth of territorial churches and the conflict between divine right monarchy and representative government in church and state, with the emergence of a theory of religious toleration opposed to the practice of both. Prerequisites: Hist. 103 or 105. (CHURCH)

105 RECENT HISTORY

3 credits

First semester

A study of the European nations from about 1870, with especial reference to the Near and Far Eastern questions, and to colonial expansion in Asia and Africa. With these are discussed European problems that also contributed to the Great War. Prerequisites: Hist. 3-4, or Econ. 21-22. (CHURCH)

107-108 ENGLISH HISTORY

3 credits

Each semester

A brief review of the Anglo-Saxon period is followed by lectures,

with collateral reading, designed to develop the important factors of English social, industrial, and political history down to the present. Prerequisites: Hist. 1-2 or 9-10. (BLOMQUIST)

115-116 HISTORY OF THE FAR WEST 2 credits Each semester

The chief topics studied are the Spanish occupation of the Southwest; the struggle for the Northwest Coast; the settlers' and traders' advance over the Santa Fe and Oregon Trails; the winning of Oregon; the Mormon migration; the conquest of California; the West and the Civil War; the West since the Civil War, with special emphasis on mining and irrigation development and the history of the Greenback, Populist, and other agrarian movements. Required of History Majors. Not open to Freshmen or Sophomores. (BROSNAN)

119-120 HISTORICAL METHOD 2 credits Each semester

A course preparatory to historical research and to the teaching of history. It will be devoted to the study of simple selections of source material with the object of discovering their content, and using it in practical exercises in the outlining and presentation of historical topics. Required of History Majors. (CHURCH)

123 A HISTORY OF THE PACIFIC NORTHWEST

2 credits

First semester

A detailed study of the periods of discovery, exploration, the fur trade, the missionaries, diplomatic disputes, and the coming of the colonists over the Oregon Trail. Special consideration will be given to the important contest for the "Snake Country" between the British trappers with headquarters at Fort Vancouver and the American fur men operating from St. Louis. Not open to Freshmen or Sophomores. (BROSNAN)

124 IDAHO AND THE INLAND EMPIRE

2 credits

Second semester

A study of the placer-mining period, territorial organization, the Indian wars, the cattle days, the sheep era, the coming of the railroads, the winning of statehood, agricultural and mining progress, and a survey of present-day development. Not open to Freshmen or Sophomores. (BROSNAN)

Primarily for Graduates

201-202 SEMINAR IN EUROPEAN HISTORY

Credits to be arranged

Each semester

The subject for 1925-26 is "History-Writing in the Nineteenth Century." (CHURCH)

203-204 RESEARCH IN EUROPEAN HISTORY

1 to 5 credits

Each semester

Investigation of topics leading to the preparation of a thesis. Weekly conferences with the instructor in charge, in which the

student is directed in reading, use of material, and writing of reports. (CHURCH)

205-206 RESEARCH IN AMERICAN HISTORY

1 to 6 credits

Each semester

Conferences in connection with thesis studies to be arranged with the instructor. (BROSNAN)

HOME ECONOMICS

Professor JENSEN, Associate Professors LEWIS and ELLIS, Assistant Professors JOHNSON and ZUDREELE, Miss ANDREWS, Miss THORNER

Professor WEAVER, Mrs. BLOMQUIST

On satisfactory completion of one of the curricula outlined on pages 51-52 the degree of Bachelor of Science in Home Economics is granted.

Courses in cooking, clothing, and house management are open to students not candidates for the B.S. (H.Ec.) degree. Other courses may be elected by the B.A. and B.S. students subject to written approval of the head of the Department.

Courses in drawing and art may be elected by all students.

FOODS

Primarily for Undergraduates

4-5 SELECTION AND PREPARATION OF FOODS

3 credits

Each semester

A study of the methods of cooking and a general survey of foods as to classification, composition, preservation, and value in diet. The underlying principles involved in the cookery of each class of foods are carefully studied. Care and construction of cooking apparatus. One lecture and two three-hour laboratory periods a week. Prerequisites: Chem 1-2. (LEWIS)

For Advanced Undergraduates and Graduates

102 MARKETING AND SERVING 3 credits

Second semester

Preparation of food in family portions. Marketing, planning, and serving of meals. The course is intended to have a very direct bearing on home problems. Special attention is given to methods of teaching this course. One lecture and two three-hour periods a week. Prerequisites: Chem. 15; H.Ec. 4-6. (LEWIS)

103-104 DIETETICS

3 credits

Each semester

Study of food composition and metabolism; diets as influenced by age, occupation, habits of life, climate, and season; balanced rations, and computation of caloric values. In the second semester,

infant feeding and special diets in disease are stressed. Teaching methods are discussed. Two one-hour periods and one three-hour period a week. Prerequisites: Chem. 1-2, 9-10, 15, 112; H.Ec. 102; Zool. 1, 6; and Bact. 101. (JENSEN)

TEXTILES AND CLOTHING

Primarily for Undergraduates

23-24 ELEMENTARY CLOTHING 2 credits Each semester

Fundamentals of hand and machine sewing; the use and care of the sewing machine; the adaptation of commercial patterns to meet individual needs; the cutting, making, and finishing of garments; darning, patching, simple decorative stitches. A study of fabrics; their special qualities and cost; the hygiene of clothing. Two three-hour periods a week. Credit for Course 23 will not be given until after completion of Course 24. (JOHNSON)

26 TEXTILES 2 credits Second semester

The history and development of textiles; the study of fibers and of processes of manufacture; the identification of fibers and substitute materials chemically and by means of the microscope; the proper use of materials in relation to laundering and dyeing; and the use and value of cotton, wool, silk, linen, and other important fibers in clothing and household furnishings. Two two-hour periods a week with outside work. (JOHNSON)

66 COSTUME AND DESIGN 2 credits Second semester

A brief study of the development of clothing from the origin of dress to the present time. The principles of color and design and their application to the practical demands of the costume for various types of people, figures, and occasions. Two two-hour periods a week with outside work. Prerequisites: H.Ec. 23 and 62. (ZUDREELE)

For Advanced Undergraduates and Graduates

105 ADVANCED CLOTHING 2 credits First semester

The fundamental principles of garment making. Practice in the cutting, fitting, making, remodeling, and renovating of garments; and in purchasing appropriate materials and trimmings. Two three-hour periods a week. Prerequisites: H.Ec. 26 and 66. (JOHNSON)

106 DRESSMAKING AND MILLINERY 2 credits Second semester

The designing and making of elaborate gowns; the application to costume of line, color harmony, dark and light, and texture. Designing and making of hats of various types; the renovation and use of old materials; practice in making bows, rosettes, flowers, and other forms of hat decoration. Two three-hour periods a week. Prerequisite: H.Ec. 105. (JOHNSON)

HOUSEHOLD ADMINISTRATION

For Advanced Undergraduates and Graduates

131 HOUSE MANAGEMENT AND SANITATION

3 credits

Second semester

Organization of the household; the hygiene of the home; the division of the income; household accounts and business points. Practical application of this course will be made in actual household work. Three lectures a week. Open to Juniors and Seniors. (LEWIS)

133 PRACTICE COTTAGE

2 credits

Either semester

Every young woman who expects to graduate from the Department is required to spend four weeks in a practice cottage. Here she will learn more fully how to manage a home. She will superintend the house, plan and cook all the meals, do all the buying and pay the bills. She will have a budget, and give an accurate account of all the expenditures. This course will give the young women a longed-for opportunity of applying their theoretical knowledge in a practical way. The practice cottage will, in so far as possible, reproduce home conditions. (JENSEN)

THE HOUSE

For Advanced Undergraduates and Graduates

140 HOUSE DESIGN

A study of the problems involved in designing a house; the plan, the interior and exterior design, building materials and methods of construction. Two two-hour periods a week with outside work. Prerequisites: H.Ec. 61-62; 63. (WEAVER)

142 INTERIOR DECORATION

2 credits

Second semester

The principles of art applied to interior decoration; a study of period decoration, period furniture, and modern furnishings. Two two-hour periods a week with outside work. Prerequisites: H.Ec. 61, 62, 63. (ZUDREELE)

ART

Primarily for Undergraduates

61-62 ART STRUCTURE AND DESIGN

2 credits

Each semester

Study problems in design, involving principles of line, dark and light, color and composition. Applied design. Two three-hour periods a week. Credit for Course 61 will not be given until after completion of Course 62. (ZUDREELE)

63-64 FREEHAND PERSPECTIVE AND SKETCHING

2 credits

Each semester

The laws of perspective and their application for pictorial pur-

poses. Study of form, light and shade, color, harmony, and composition. Two three-hour periods a week. (ZUDREELE)

- 67-68 LETTERING 2 credits Each semester
 (1) Composition; (2) illustration for magazines, etc.; (3) poster design (lettering in pen, brush, and pencil, and design of posters). Mediums used are charcoal, ink, cut paper, and water colors (opaque). Two three-hour periods a week or three two-hour periods a week. (ZUDREELE)

For Advanced Undergraduates and Graduates

- 161-162 ART APPRECIATION 2 credits Each semester
 An appreciative study of architecture, sculpture, painting, textiles, furniture and design, developed historically. Special attention to fine proportion, line, values of light and shade, and color. Lectures illustrated by lantern. Two lectures each week. Reinach's *Apollo* and assigned reading. (ZUDREELE)

- 163-164 ADVANCED ART STRUCTURE AND DESIGN 2 credits Each semester
 Advanced work in principles of composition, with applications. Two three-hour periods each week. Prerequisite: H.Ec. 63-64. (ZUDREELE)

- 165-166 ADVANCED DRAWING AND PAINTING 2 credits Each semester
 Advanced work in perspective, landscape, mural decoration, and drawing from life-model in charcoal, and water color. Two three-hour periods a week. Prerequisite: H.Ec. 61-62. (ZUDREELE)

METHODS

For Advanced Undergraduates and Graduates

- 151 METHODS OF TEACHING HOME ECONOMICS 3 credits Second semester
 The relation of home-economics subjects to education; the different schools in which these subjects are taught; their place in the curriculum; and the methods employed in teaching them; lesson plans, courses of study, and problems of equipment. This course is followed by H.Ec. 157, Observation and Practice Teaching. Three one-hour periods a week. Open to Juniors and Seniors in Home Economics. (ELLIS)

- 152 METHODS FOR HOME ECONOMICS EXTENSION WORKERS 2 credits Second semester
 This course is intended to give methods of procedure for extension workers in Home Economics. Each student must prepare and present lectures and demonstrations on various problems of the

home. One three-hour laboratory period each week. Open to Junior and Senior Home Economics students only. (JENSEN)

- 153 METHODS IN RELATED ART AND RELATED SCIENCE
2 credits First semester

Scientific principles applied to solution of problems arising in home economics; art principles applied to costume design and interior decoration. Two lectures a week. (ELLIS)

- 154 METHODS OF TEACHING ART 2 credits Second semester

This course covers the methods of presenting the subject matter given in the twelve grades of the public schools. It includes design, construction, paper cutting, water color, costume and design, interior decoration, toys, weaving. Two three-hour periods a week. Prerequisites: H.Ec. 61, 62, 63. (ZUDREELE)

- 157 OBSERVATION AND TEACHING IN HOME ECONOMICS

5 credits Either semester

Observation and teaching under supervision in the domestic science classes of the Moscow High School. Open only to students who have taken Home Economics 151. (JENSEN, ELLIS, THORNER)

HOME NURSING

For Advanced Undergraduates and Graduates

- 134 HOME NURSING 2 credits Second semester

Personal hygiene; the general care of the sick; emergencies and first aid to the injured. Open to Juniors and Seniors. Two two-hour periods a week, with outside work. (ANDREWS)

HOME ECONOMICS FOR B.A. STUDENTS

Primarily for Undergraduates

- 1 COOKING AND SERVING (B.A.) 2 credits Either semester

For students not registered in Home Economics, this general course is offered as an elective. This will include briefly the preparation of food and serving of meals, the care and management of the house, marketing, etc. Two three-hour laboratory periods a week. (LEWIS)

- 21-22 CLOTHING (B.A.) 2 credits Each semester

For students not registered in Home Economics, this general course in Clothing is offered as an elective. It gives practice in cutting, fitting, making, and remodeling of garments, and includes the selection and care of clothing. Two three-hour periods a week. (JOHNSON)

For Advanced Undergraduates and Graduates

- 136 THE FAMILY 2 credits Second semester

History of the family as a social and educational institution. Open only to women. (BLOMQUIST)

HOME ECONOMICS RESEARCH

Primarily for Graduates

201-202 RESEARCH

HORTICULTURE

Professor VINCENT, Associate Professor LONGLEY

Primarily for Undergraduates

2 ELEMENTS OF HORTICULTURE 3 credits Second semester

This course comprises the fundamentals of horticulture and involves a study of the principles of plant growth and culture. One-half of the semester will be devoted to the theory and practice of multiplying plants by seeds, cuttings, separation, budding, grafting, seed-testing, care of trees, shrubs in the nursery, etc.; one-half to general horticulture, including fruit-growing, pruning, spraying, soil fertility, breeding, evaporation, judging and identifying fruits and vegetables, etc. Freshman year. Two recitations and one three-hour laboratory period a week. (VINCENT)

4 VEGETABLE GARDENING 2 credits Second semester

The work in this course will embrace a study of the classification, culture, requirements, handling and storage of vegetables, with special emphasis on the small home garden. Attention will be given to such topics as vegetable garden soils, tillage, implements, fertilizers, hotbeds, transplanting, seeds, seed-sowing, and varieties. Sophomore year. One recitation and one three-hour laboratory period a week. (LONGLEY)

5 FLORICULTURE 2 credits First semester

This course will make a study of a wide range of garden flowers and greenhouse plants from two standpoints; first, their botanical relationship, with considerable attention to their historical origin; second, cultural requirements, with practical work in propagation and culture of some of the more important greenhouse and garden plants. One lecture and one three-hour laboratory period a week. (LONGLEY)

6 HOME FLORICULTURE 2 credits Second semester

Practical methods of growing flowers and ornamental plants. Actual practice will be given in propagation of the common greenhouse plants, and in starting plants from seed, indoors and outdoors, both in frames and in the open. Attention will be given to the following topics: potting, soils, insect pests, diseases of plants, winter-blooming bulbs, porch boxes, hanging baskets, etc. A study will be made of the various annual, biennial, and perennial bedding plants, and the summer-blooming bulbs, with emphasis on their employment for home decoration. The underlying principles of landscape gardening as applied to the ornamentation of the home place will also be

considered. One recitation and one three-hour laboratory period a week. (LONGLEY)

8 POTATO CULTURE 2 credits Second semester

A course designed to meet the needs of those who desire to grow potatoes on a commercial scale. These subjects are considered: history, acreage, distribution, classification, breeding, climate, soils and rotation, fertilizer, planting, irrigation, diseases, insect pests, etc. One lecture and one three-hour laboratory period a week. Prerequisite: Horticulture 2. (VINCENT)

9 GENERAL HORTICULTURE 3 credits First semester

This course is open only to students pursuing the Vocational Agriculture Teacher-Training curriculum. It covers the general principles and processes of fruit-growing, vegetable gardening, floriculture, and landscape gardening. Methods of presenting horticultural subjects to high-school students will be emphasized. Two recitations and one three-hour laboratory period a week. (VINCENT)

10 LANDSCAPE GARDENING 3 credits Second semester

A study of the elementary principles underlying the use of plants for beautifying private and public grounds. Two recitations and one three-hour laboratory period a week. (LONGLEY)

For Advanced Undergraduates and Graduates

101-102 PRACTICAL POMOLOGY 3 credits Each semester

A study of general and fundamental principles of fruit-growing. The student is expected to become skillful in planting, pruning, thinning, harvesting, and packing. Practical problems in growing and handling commercial orchards are made a prominent feature of this course. The small-fruits industry will also receive special emphasis. The strawberry, blackberry, raspberry, gooseberry, etc., will be studied with reference to the following points: classification, propagation, planting, pruning, etc. Junior year. Two recitations and one three-hour laboratory period a week. (VINCENT)

103 SYSTEMATIC POMOLOGY 2 credits First semester

The description, nomenclature, and classification of the common fruits are carefully studied. An opportunity is given the student for practice in fruit-judging and displaying. A large collection of fruit from Idaho and other states enables the student to become skillful in recognizing types. The work consists of lectures, reference reading, and laboratory work. Junior year. One recitation and one three-hour laboratory period a week. (VINCENT)

104 TRUCK GARDENING 3 credits Second semester

The growing of vegetables from a commercial standpoint; methods of production of vegetables in use in the various trucking and market-gardening sections and in localities where vegetables are

grown largely for canning factories; consideration of such topics as labor, machinery, rotation, fertilizers, marketing, crop diseases, and pests. Two recitations and one three-hour laboratory period a week. Prerequisite: Horticulture 4, or equivalent. Junior year. (LONGLEY)

105 COMMERCIAL POMOLOGY 3 credits First semester

This course deals with problems of packing, marketing, transportation, storage and storage-house construction, markets, formation of fruit growers' associations, and handling by-products. Senior year. Three recitations a week. (VINCENT)

106 SPRAYING 3 credits Second semester

The work of this course covers the essential subjects relative to spraying. Special attention is given to history, materials, apparatus, and various methods employed in combating insects and fungi. Ample time is given for the student to become efficient in spraying by practice in the college orchard. Senior year. Two lectures and one three-hour laboratory period a week. (LONGLEY)

108 LANDSCAPE DESIGN AND PLANT MATERIALS

3 credits Second semester

A systematic study of trees, shrubs, and flowers most used in landscape gardening, with especial reference to their landscape values. Coupled with this will be considerable collateral reading on landscape theory and design. Part of the laboratory periods will be devoted to the making of planting plans. Prerequisite: Hort. 10. Two lectures and one three-hour laboratory period a week. (LONGLEY)

110 EVOLUTION OF HORTICULTURAL PLANTS

2 credits Second semester

This course is especially suited to those who care to engage in the improvement of horticultural plants in a practical way. Theories of evolution are taken up in such a manner as to give fundamental knowledge of the requisites for plant improvement. The work will consist of lectures, reference reading, and laboratory work. Elective in the Senior year. Two recitations a week. (LONGLEY)

111-112 PRACTICUMS 2 credits Each semester

A course designed especially to prepare students for positions as orchard foremen, horticultural advisers, consulting horticulturists, and orchard inspectors. They are expected to become familiar with all the various phases of orchard management, such as orchard soils, tillage, operation of by-products establishments, varieties, managing packing houses, handling men, etc. Elective in the Senior year. Two three-hour laboratory periods a week. (VINCENT, LONGLEY)

113-114 THESIS AND SEMINAR 2 credits Each semester

The study of advanced problems in horticulture. This work is

especially arranged for Seniors and Graduate students. The student is given practice in planning and conducting experiments in horticulture. Initiative ability and a true investigational spirit are given an opportunity for development. Senior year. (VINCENT)

Primarily for Graduates

- 201 ADVANCED POMOLOGY 3 credits First semester
Studies of special problems, such as the geography of fruit-growing, showing the adaptations of varieties of fruit to different localities, and the improvement of orchard fruits. (VINCENT)
- 202 EXPERIMENTAL HORTICULTURE 3 credits Second semester
A course designed for those intending to follow horticulture as a profession or to take up experiment-station work. (VINCENT, LONGLEY)

ITALIAN

(See under Modern Languages.)

LATIN

(See under Classical Languages.)

LAW

Professors DAVIS, GILL, and ———, Associate Professor HARRIS

Courses 102, 103, 104, 111, 112, 214, 218, 219, 220, 228, and 230, are open to Junior and Senior students in the College of Letters and Science and in the other Colleges, in which they will be credited according to their respective regulations. Before registering, students should consult the Dean of the College of Law.

In Courses 101-102; 109-110; 115-116; 205-206; 207-208; 219-220; 235-236; and 237-238, no credit will be given for the work of the first semester until the work of the second semester is completed and an examination upon the entire Course is passed.

FIRST YEAR

(Required)

- 101-102 CONTRACTS 3 credits Each semester
Williston's *Cases on Contracts*. (GILL)
- 104 AGENCY 4 credits Second semester
Keedy's *Cases on Agency*. Selected cases on workmen's compensation. (———)
- 105 CRIMINAL LAW 3 credits First semester
Mikell's *Cases on Criminal Law*. (GILL)
- 109-110 CIVIL PROCEDURE 2 credits Each semester
Scott's *Cases on Civil Procedure*. (HARRIS)

111	PERSONAL PROPERTY	2 credits	First semester
	Bigelow's <i>Cases on Personal Property.</i> (DAVIS)		
112	RIGHTS IN LAND*	3 credits	Second semester
	Bigelow's <i>Cases on Rights in Land.</i> (———)		
115-116	TORTS	3 credits	First semester
		2 credits	Second semester
	Hepburn's <i>Cases on Torts.</i> (———)		

SECOND YEAR

(Twelve hours, including alternating Courses, required each semester)

201-202	EQUITY	3 credits	Each semester
	Cook's <i>Cases on Equity</i> , Vols. 1 and 2. (DAVIS)		
203	LEGAL BIBLIOGRAPHY†	1 credit	First semester
	(HARRIS)		
204	CODE PLEADING	2 credits	Second semester
	Sunderland's <i>Cases on Code Pleading.</i> (HARRIS)		
207-208	EVIDENCE	3 credits	First semester
		2 credits	Second semester
	Wigmore's <i>Cases on Evidence.</i> (HARRIS)		

THIRD YEAR

(Twelve hours, including alternating Courses, required each semester)

217	PUBLIC UTILITIES†	3 credits	First semester
	Burdick's <i>Cases on Public Service</i> , Second Edition. (DAVIS)		
219-220	CONSTITUTIONAL LAW†	3 credits	First semester
		2 credits	Second semester
	Hall's <i>Cases on Constitutional Law.</i> (DAVIS)		
235-236	PRIVATE CORPORATIONS	2 credits	Each semester
	Warren's <i>Cases on Corporations.</i> (DAVIS)		
237-238	PRACTICE	2 credits	Each semester
	(HARRIS)		
240	CONFLICT OF LAWS	3 credits	Second semester
	Beale's <i>Cases on Conflict of Laws</i> , Shorter Edition. (DAVIS)		

ALTERNATING IN SECOND AND THIRD YEARS

205-206	TRUSTS*	2 credits	Each semester
	Scott's <i>Cases on Trusts.</i> (———)		

*Offered in 1925-26 and in alternate years thereafter.

†Omitted in 1925-26.

MATHEMATICS

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209	DAMAGES*	2 credits	First semester
	Mechem and Gilbert's <i>Cases on Damages</i> . (GILL)		
211	WILLS AND ADMINISTRATION**	3 credits	First semester
	Costigan's <i>Cases on Wills</i> . (DAVIS)		
212	TITLES TO REAL ESTATE**	3 credits	Second semester
	Aigler's <i>Cases on Titles</i> . (———)		
213	BILLS AND NOTES**	3 credits	First semester
	Smith and Moore's <i>Cases on Bills and Notes</i> , Second Edition. (GILL)		
214	MUNICIPAL CORPORATIONS*	2 credits	Second semester
	Beale's <i>Cases on Municipal Corporations</i> . (GILL)		
215	PARTNERSHIP*	3 credits	First semester
	Case book to be announced. (———)		
216	MINING RIGHTS*	3 credits	Second semester
	Costigan's <i>Cases on Mining Law</i> . (GILL)		
224	MORTGAGES**	2 credits	Second semester
	Case book to be announced. (GILL)		
228	WATER RIGHTS**	2 credits	Second semester
	Bingham's <i>Cases on Water Rights</i> . (DAVIS)		
234	COMMUNITY PROPERTY**	2 credits	Second semester
	(GILL)		

Courses offered in other departments of the University. (These courses are not counted towards the degree of LL.B.)

165-166	BUSINESS LAW	2 credits	Each semester
	Bay's <i>Cases on Commercial Law</i> . (GILL)		

MATHEMATICS

Professor TAYLOR, Assistant Professor BENDER

Assistant Professor LUKE, Mr. WEST

Primarily for Undergraduates

1-2	FRESHMAN MATHEMATICS	4 credits	Each semester
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College algebra, trigonometry, and analytic geometry. This course is open to all Freshmen who have entered regularly, and is required of

*Offered in 1925-26 and in alternate years thereafter.

**Offered in 1926-27 and in alternate years thereafter.

all Freshmen in the School of Mines, the School of Forestry, and the Curriculum of Architecture. Mathematics 1 is required of students in the Pre-medical and Business Curricula. (TAYLOR, BENDER, LUKE, WEST)

- 11-12 FRESHMAN MATHEMATICS 5 credits Each semester
 Subject matter same as Math. 1-2 with additional emphasis upon computation and upon construction and interpretation of graphs. Required of Freshmen in the College of Engineering. (TAYLOR, BENDER, WEST)
- 14 MATHEMATICS OF FINANCE 3 credits Second semester
 The mathematical principles involved in the problems of compound interest, annuities, bonds, and insurance. Required of all Sophomores in the Business Curriculum, except those in the Secretarial Major. Prerequisite: Math. 1. (TAYLOR, BENDER)
- 21-22 CALCULUS 4 credits Each semester
 The fundamental processes and applications of differential and integral calculus. Prerequisite: Math. 1-2 or 11-12. Required of sophomore engineering students and of all students who major in mathematics. (TAYLOR, BENDER)
- 42 TEACHERS' COURSE 3 credits Second semester
 Selected topics in the theory of numbers, foundations of algebra and geometry, modern synthetic geometry, and history of mathematics. Designed especially for those who expect to teach mathematics in the high school. Prerequisite: Math. 1-2 or 11-12. (TAYLOR)
- 52 GENERAL ASTRONOMY 3 credits Second semester
 An introduction to descriptive and spherical astronomy. Prerequisite: Math. 1-2 or 11-12. (———)

For Advanced Undergraduates and Graduates

- 101 ENGINEERING MATHEMATICS 3 credits First semester
 Advanced graphical methods, standard types of differential equations, complex and hyperbolic functions, harmonic analysis. Prerequisite: Math. 21-22. Required of Juniors in Electrical Engineering. (TAYLOR)
- 111-112 HIGHER GEOMETRY 3 credits Each semester
 An introduction to advanced methods in the fields of synthetic, analytic, projective, and differential geometry. Prerequisite: Math. 21-22. (TAYLOR)
- 121-122 ADVANCED CALCULUS 3 credits Each semester
 Partial differentiation, definite integrals, vector analysis, infinite series, and elementary theory of functions of real and of complex variables. Prerequisite: Math. 21-22. (TAYLOR)

Primarily for Graduates

221-222 DIFFERENTIAL EQUATIONS 3 credits Each semester

An advanced course in ordinary and partial differential equations, including methods of solution, fundamental existence theorems, and applications in the fields of analysis, geometry, and mathematical physics. Prerequisite: Math. 21-22, and one semester of advanced calculus. (TAYLOR)

MECHANICAL ENGINEERING

Professor GANO, Mr. CANDEE, Mr. MARDEN

Primarily for Undergraduates

1 WOOD SHOP 1 credit First semester

Exercises in wood working, both bench and lathe work, including the use of wood working machines. Three hours in shop.

2 FORGE SHOP 1 credit Second semester

Exercises in forging iron and steel, in heat treatment and tempering. Instruction in oxy-acetylene welding and in the use of forging machinery. Three hours in shop.

3 MACHINE SHOP 2 credits First semester

Bench work in metals, chipping, filing, fitting. Exercises in machine tool work, turning, planing, threading, drilling, milling and grinding. Six hours in shop.

4 FOUNDRY 2 credits Second semester

Prerequisite M.E. 1. Exercises in pattern making, and in foundry work, including moulding, core making, operation of the cupola and crucible furnaces. Six hours in shop.

5 SHOP PRACTICE 2 credits First semester

A study of modern practice in wood and metal working shops.

13 MECHANISM 3 credits First semester

Engineering Kinematics: Under this head are studied the principles underlying the action of the elementary combinations of which all machines are composed; the communication of motion by gear-wheels, belts, cams, screws, and link work; the various means of producing changes of velocity; and the principles of epicyclic trains, parallel and quick return motions. The solution of a large number of graphical and mathematical problems is required in this course. Two recitations and three hours in drafting room. Prerequisites: C.E. 1 and C.E. 2.

For Advanced Undergraduates and Graduates

101 PROPERTIES OF MATERIALS 3 credits First semester

Experimental study of the properties of materials of engineering

and industry. The economical selection and use of such materials in design and manufacture. Six hours in laboratory. Prerequisite: C.E. 103.

121 GAS ENGINEERING 3 credits First semester

A study of the characteristic types of internal combustion motors, including stationary and automobile engines. The factors of design and construction affecting the characteristics and economy of the engines are carefully studied. Prerequisites: M.E. 124; registration in M.E. 127.

122 ENGINES AND BOILERS 3 credits Second semester

A detailed study of fuels and combustion, boilers and accessories, steam engines and turbines, governors, valve gears, actions and diagrams. Prerequisite: Phys. 11-12.

123 THERMODYNAMICS 3 credits First semester

This course is a detailed study of the principles of thermodynamics; a discussion of the properties of gases, saturated and superheated vapors, especially of air and steam; of the flow of gases thru orifices, and nozzles; a study of the various cycles of the hot air, internal combustion, and steam engines, of the turbine, air compressor, and refrigeration systems. Use of the pressure-volume and the temperature-entropy diagrams. The theoretical work of the course is paralleled by a suitably graded set of engineering problems. Prerequisites: Math. 3-4; Phys. 11-12.

124 THERMODYNAMICS 2 credits Second semester

Continuation of M.E. 123. Prerequisite: M.E. 123.

125 MECHANICAL ENGINEERING DESIGN 2 credits First semester

A definite problem in the design of a machine, prime mover, auxiliary or plant, to be selected by the student in conference with the instructor. Free reference to such data, catalogues and available examples as may be found on each subject. Six hours in drafting room. Prerequisite: M.E. 129.

126 MECHANICAL ENGINEERING DESIGN 2 credits Second semester

Continuation of M.E. 125. Six hours in drafting room.

127 MECHANICAL ENGINEERING LABORATORY

2 credits

First semester

Continuation of M.E. 128. Economy and performance tests of air compressors, refrigeration machinery, airplane and automobile motors, gas producer and gas engine. Tests of fuel oils and lubricating oils. Tests of machine tools. Six hours in laboratory. Prerequisite: M.E. 128.

128 MECHANICAL ENGINEERING LABORATORY

2 credits

Second semester

Training in the collection and reduction of data, the analysis of results, and the preparation of adequate reports on engineering tests and investigations. The work will be entirely on steam engineering and will involve a study of the various apparatus and instruments concerned, the calibration and use of calorimeters, pyrometers, thermometers, pressure and vacuum gages; tests of engines, turbines, pumps, boilers and auxiliary equipment, for determination of efficiencies and performance. Six hours in laboratory. Prerequisites: M.E. 123; registration in M.E. 122.

129 MACHINE DESIGN

2 credits

First semester

The lectures and recitations are concerned with the location of references and data as applying to a particular problem in design; the conventions, standards, and methods of modern engineering design. The work in the drafting room requires the application of Mechanics and Mechanism to the solution of a problem involving the design of a complete machine. Working drawings, bill of material, estimate of cost, calculations and description must be presented in report form. One recitation and three hours in drafting room. Prerequisites: C.E. 101 and 103; M.E. 13.

133 STEAM POWER PLANT

3 credits

First semester

This course is devoted to the study of fuels, combustion, boilers, stokers, pumps, coal- and ash-handling machinery, boiler-room auxiliaries, engines, turbines, condensers, lubrication and piping systems with reference to their use in steam-power plants. Design and layout of central and isolated stations, power-plant economics; specifications of material and equipment. Prerequisites: M.E. 124; M.E. 122.

139 SEMINAR

2 credits

First semester

Studies of industrial, engineering and scientific subjects, presented by members of the class for informal discussion. Prerequisite: Senior standing.

140 SEMINAR

1 credit

Second semester

Continuation of M.E. 139. Requires written papers on engineering topics presented for formal discussion. This course is intended to assist the student to clear and correct expression. Prerequisite: Senior standing.

141 INDUSTRIAL ENGINEERING

3 credits

First semester

The development of the modern industrial system; the fundamental principles of industrial management; the application of scientific knowledge to industry; time study; standards; wage payment methods; industrial relations between management and employees; management policies. Prerequisite: Senior standing.

- 142 INDUSTRIAL ENGINEERING 2 credits Second semester
Continuation of M.E. 141. Modern methods of control of production; operating management costs; location, design and layout of plants. Individual problems, representative of different industries to be handled in report form. One recitation and three hours in drafting room. Prerequisite: Senior standing.
- 144 HEATING AND VENTILATION 3 credits Second semester
The principles of heating and ventilation. Heat loss from buildings; selection, installation and operation of modern systems of heating and air conditioning for various types of buildings; relative performances and costs. Special problems illustrative of modern practice. Two recitations and three hours in drafting room. Prerequisites: Phys. 11-12; M.E. 124.
- 150 THESIS 3 credits Second semester
- 151 EXPERIMENTAL ENGINEERING 1 credit Either semester
A study of experimental engineering investigation.
- 152 GRAPHICS 2 credits Second semester
Expression of data and empirical formulae derived from data in graphical form. Construction of special slide rules; alignment, logarithmic, rate of change, frequency, and other charts. One recitation and three hours in drafting room. Prerequisites: Math. 12; C.E. 1.
- Primarily for Graduates*
- 201-202 RESEARCH Credits to be arranged Each semester
- 223-224 THERMODYNAMICS Credits to be arranged Each semester
The working and instructional facilities of the Department will be placed at the disposal of qualified students selected for this work.
- 239-240 SEMINAR 1 credit Each semester
Subjects for investigation and group discussion will be selected in some field of special activity.

METALLURGY

Professor THOMSON, Professor LANEY, Mr. ELLIS

For Advanced Undergraduates and Graduates

- 101 ORE DRESSING 2 credits First semester
General principles of ore dressing; preliminary operations; hand dressing; crushing; sizing; classifying; jigging; tabling; magnetic separation. The flotation process. Flow sheets of typical concentrators. Prerequisites: Phys. 1-2; Chem. 3-4. (ELLIS)
- 102 FIRE ASSAYING 3 credits Second semester
This course includes the determination of gold, silver, and lead in ores and metallurgical products according to the most approved

methods in use in the mills and smelters of the West. After demonstration and instruction in the general principles and procedure, the student is required to develop skill and technique in the handling of a large number of determinations on pulps previously checked, and a high standard of accuracy is required. Prerequisite: Chem. 3-4. (ELLIS)

- 103 GENERAL METALLURGY 2 credits First semester
Properties of metals and alloys; metallic compounds; ores and their values; fuels; refractory materials; pyro-metallurgical processes and apparatus; electro-metallurgical processes and apparatus; mechanical treatment of alloys; handling of gases; metallurgical products. Prerequisites: Phys. 1-2; Chem. 3-4. (ELLIS)
- 104 METALLURGY OF GOLD AND SILVER 2 credits Second semester
Gold ores: cyanidation, amalgamation, chlorination. Silver ores: direct amalgamation; hydro-metallurgical processes. Prerequisite: Met. 103. (ELLIS)
- 105 METALLURGY OF COPPER AND LEAD 2 credits First semester
Copper: production, uses, consumption; properties of copper and its alloys; ores and distribution; sampling and preparation of ores for treatment; outline of the metallurgy of copper; roasting of copper ores; chemistry; smelting in reverberatory and in blast furnaces; converting of copper matte; hydro-metallurgy; refining.
Lead: properties of lead, its compounds and alloys; ores, production, uses; outline of the metallurgy of lead; smelting in the reverberatory furnace and in the ore-hearth; roasting in hand and mechanical furnaces; blast-furnace smelting; desilverization of base bullion; cupellation; refining. Prerequisite: Met. 103. (ELLIS)
- 106 METALLURGY OF IRON AND STEEL 1 credit Second semester
Manufacture of iron and steel; blast furnaces; puddling; cementation; crucible process; bessemer process; open-hearth process; iron and steel founding; heat treatment; malleable cast iron; constitution of iron and steel, and relation to physical properties; alloy steels. Prerequisites: Chem. 1-2; Phys. 1-2. (ELLIS)
- 107 ORE DRESSING 2 credits First semester
Testing of ore to determine proper method of treatment, using small- and large-size machines; milling; cyaniding of gold and silver ores. Prerequisites: Phys. 1-2; Chem. 3-4. (ELLIS)
- 108 PHYSICAL METALLURGY 2 credits Second semester
Constitution and properties of alloys; pyrometry and cooling curves; binary alloys; ternary alloys; phase rule; methods of metallographic research. Prerequisite: Met. 103. (Given in alternate years; given in 1925-26.) (LANEY)

- 109 ELECTRO-METALLURGY 1 credit First semester
Theory and application of the electric current to the treatment of ores and the refining of metals. Electrolytic refining of copper and lead; parting of silver and gold; treatment of sulphide ores; electrolysis of fused salts. Prerequisite: Met. 103. (ELLIS)
- 199-200 THESIS 2 credits Each semester
The first semester is optional and an elective may be substituted if desired. The second semester is required. (THOMSON)

Primarily for Graduates

- 201-202 METALLURGICAL INVESTIGATION
Credits to be arranged Each semester
Laboratory work on some problems in the metallurgical treatment of gold, silver, copper, lead, or zinc ores. For Graduate students. (THOMSON)

MILITARY SCIENCE AND TACTICS

Colonel CHRISMAN, Captains LLOYD and BAIN, First Lieutenant HART, Band Leader NIELSEN, Staff Sergeants NAGELE and WOODS

RESERVE OFFICERS' TRAINING CORPS.—An Infantry unit of the Senior Division of the R.O.T.C. is established at the University under the National Defense Act of June 3, 1916, as amended by the Act of June 4, 1920.

The training is conducted in accordance with Special Regulations No. 44, War Department, and has for its primary object the education of the student to become an officer of the Army in time of war or other grave emergency; in time of peace to affiliate with the National Guard or Organized Reserves and thus assist in their development. The course of instruction is progressive and is so arranged and presented as to render the student completing it an efficient company officer. Upon graduation he may elect to be commissioned in the Officers' Reserve Corps of the Army.

ORGANIZATION.—For purposes of administration and instruction the students are organized as an infantry regiment with field staff and band under a type of discipline suited to their intelligence. The United States Government provides the necessary technical equipment and supplies, including uniforms, used in the work of the Department.

ANNUAL ENCAMPMENT.—A Reserve Officers' Training Corps Camp for the Ninth Corps Area is established by the Government each year, extending from June 15 to July 27. The valuable training received at this camp supplements that acquired at college and is of benefit to the student in many respects. Attendance is free from expense on the part of the student. It is voluntary for basic course students and required for advanced course students.

ADVANCED COURSE.—Emphasis is placed on the features of this course. Special attention is invited to the scope of its subjects and to the inducements offered, which amount to scholarships granted by the Government.

BASIC COURSE

Required: four hours a week of all able-bodied male students in the Freshman and Sophomore classes, and of those who are special students.

- 1-2 FIRST YEAR 2 credits Each semester
 (a) Theoretical: 56 hours (b) Practical: 74 hours
 Courtesy. Discipline. Command and leadership. Equipment.
 Physical training. Infantry drill regulations. Rifle marksmanship.
 Signaling. Interior guard duty. Scouting and patrolling.
- 3-4 SECOND YEAR 2 credits Each semester
 (a) Theoretical: 56 hours (b) Practical: 74 hours
 Same subjects as in 1-2 (continued). Map reading. Military
 sketching. Infantry weapons. Musketry. Military hygiene, sanitation and first aid.

ADVANCED COURSE

Elective: five hours a week for students who have completed the Basic Course creditably. A student pursuing the Advanced Course will be commissioned in the regiment and receive cash and allowances amounting to approximately \$300 for the two years.

- 5-6 THIRD YEAR 3 credits Each semester
 (a) Theoretical: 70 hours (b) Practical: 90 hours
 Command and leadership. Infantry drill regulations. Field
 engineering. Accompanying weapons. Tactics. Pistol marksmanship.
- 7-8 FOURTH YEAR 3 credits Each semester
 (a) Theoretical: 70 hours (b) Practical: 90 hours
 Command and leadership. Infantry drill regulations. Administration. Military history. Tactics. Military law and rules of land warfare.

MINING

Professor THOMSON, Mr. ELLIS

Primarily for Undergraduates

- 1-2 THE MINERAL INDUSTRY 1 credit Each semester
 A general study of the methods used in the prospecting and exploitation of mineral deposits and of the more important metallurgical operations and kindred processes employed in preparing mineral products for industrial use. This course is planned for

Freshmen in the School of Mines and for other persons who, altho not intending to follow mining as a profession, desire a general acquaintance with our important mineral resources and their utilization. (THOMSON)

For Advanced Undergraduates and Graduates

- 101 ELEMENTS OF MINING 3 credits First semester
Prospecting, boring, drilling, explosives and blasting, rock breaking, support of excavations, underground transport, mine drainage, ventilation, quarrying, open-pit and alluvial mining. Prerequisites: Math. 1-2; Phys. 1-2. (ELLIS)
- 103-104 MINE PLANT DESIGN 3 credits Each semester
The student either chooses or is assigned a mine with certain output and conditions, and designs a plant and the necessary machinery from these data. This includes design of shaft or entry, head frame, hoist, compressor, air-pipe line, pumps and connections, boilers, electric installation, method of mining, etc. A detailed drawing of the head frame and ore bin is required, and specifications for all other machinery. Prerequisite: C.E. 6. (THOMSON)
- 105 MINING ECONOMICS 2 credits First semester
Mine sampling, including the principles involved and the different methods used in sampling veins, placer deposits, disseminated deposits, coal, etc.; mine valuation; calculation of value in sight from width and assays; probable and prospective ore; amortization of capital invested; cost of production, simple cost-keeping; the more important points in the mining law of the United States; essential features of reports by mining engineers. Prerequisites: Geol. 103-104. (THOMSON)
- 106 MINE SURVEYING 2 credits Second semester
Lectures on the standard methods of surveying practiced in the large mining districts of this country, including instruments and equipment; carrying the meridian underground; measurement of angles and distances; underground stations and methods of marking; note-books and office records; maps required; stope surveying; mappings and calculation of tonnage extracted. Drafting-room work consists of the calculation and reduction of notes from a mine survey and the plotting of same by coordinates. Claim surveying. Mine surveying on spring trip. Prerequisites: C.E. 3-4. (ELLIS)
- 108 MINE RESCUE AND FIRST AID 1 credit Second semester
A training course in the use of oxygen breathing apparatus as employed in fighting mine fire and rescuing persons overcome or entrapped as the result of underground explosions or fires; first aid to the injured, resuscitation, and artificial respiration. This course is

given in cooperation with the U. S. Bureau of Mines, the mine rescue car visiting the campus at intervals for this purpose.

110 SENIOR TRIP 2 credits Second semester

A tour of inspection covering some important mining district. Notes and observations are taken of geological, mining, and metallurgical features. Required of all Seniors, and open only to them.

199-200 THESIS 2 credits Each semester

The first semester is optional and an elective may be substituted if desired. The second semester is required. (THOMSON)

Primarily for Graduates

201-202 MINING RESEARCH PROBLEMS

Credits to be arranged Each semester

Special problems and investigations in mining methods, mining machinery, equipment, and design. (THOMSON)

MODERN LANGUAGES

Professor ELDRIDGE, Professor SARGENT, Associate Professor TROMAN-HAUSER, Assistant Professor HOWE, Assistant Professor MATHIEU, Mr. RAYNALDO, Mrs. HAMMAR, Mrs. McLAUGHLIN, Miss BAILAR,* Mrs. LEWIS, Mr. VAZQUEZ, Mr. SEREBRENNIKOV, Miss POVEY†

FRENCH

Students who present two years of high-school French for admission will continue in French 13-14 (taking also, if possible, French 11-12 at the same time). Those who have had one year of high-school French may take French 2, but in many cases it is advisable to register for French 1 in review. Elementary French and Elementary Spanish may not be taken the same year. No credit is given for French 1 until French 2 is completed.

Those who wish a recommendation to teach French must take French 11-12, 13-14, 112, 191, and at least ten credits in advanced literature.

Primarily for Undergraduates

1-2 ELEMENTARY FRENCH 5 credits Each semester

In this course stress is laid upon the following points: the acquisition of a good pronunciation; a thoro grounding in the essentials of French grammar; facility in understanding and taking part in simple idiomatic conversation; simple prose composition. May be begun either semester. Fraser and Squair, *The New French Grammar*; selected texts. (HOWE, MATHIEU, HAMMAR, McLAUGHLIN)

*First semester.

†Second semester.

- 11 COMPOSITION AND GRAMMAR 2 credits First semester
This course offers a systematic study of French accidence and syntax, with frequent illustrative composition exercises. Open to students who have had French 1-2 or two years of high-school French, and required of all majoring in French. (HOWE)
- 12 COMPOSITION AND CONVERSATION 2 credits Second semester
Intensive drill in French phonics and idiomatic constructions, with training in self-expression in the foreign tongue. Open to those who have had French 1, 2, and 11, and required of all majoring in French. (MATHIEU)
- 13-14 INTERMEDIATE FRENCH 3 credits Each semester
The aim of this course is to give the student an accurate and fluent reading knowledge of French prose. Idioms, irregular verbs, syntax, and conversation based on the text. This course is conducted in French so far as possible. May be begun either semester. (HOWE, MATHIEU, HAMMAR, McLAUGHLIN)
- 15-16 SCIENTIFIC FRENCH 3 credits Each semester
A special reading course open only to students majoring in science. Prerequisite: French 1-2. A French scientific reader and collateral reading in French scientific journals. (HOWE)
- For Advanced Undergraduates and Graduates*
- 112 ADVANCED COMPOSITION 2 credits Second semester
Prerequisite: French 11-12. (MATHIEU)
- 115-116 ADVANCED SCIENTIFIC FRENCH 1-2 credits Each semester
Directed reading in scientific French, open to those who have had French 15-16 and to others by special permission. Forty-five hours of reading per credit and weekly reports to the instructor. (HOWE)
- 121-122 A SURVEY OF FRENCH LITERATURE 2 credits Each semester
A study of the development of French literature from its origins to our day. Lectures, reading, reports. Open to students who have had French 13-14. (Given in 1926-27.) (MATHIEU)
- 131-132 THE NOVEL OF THE NINETEENTH CENTURY 3 credits Each semester
Prerequisite: French 13-14. Lectures, reading, and reports. (Alternates with 133-134; given in 1925-26.) (HOWE)
- 133-134 THE DRAMA OF THE NINETEENTH CENTURY 3 credits Each semester
Prerequisite: French 13-14. A study of the development of the French drama from 1830 to the present day. Lectures, reading, reports. (Alternates with 131-132; given in 1926-27.) (HOWE)

141-142 THE SEVENTEENTH CENTURY DRAMA
3 credits Each semester

After a preliminary study of the period, most of the masterpieces of Corneille, Molière, and Racine are read. Prerequisite: French 121-122, 131-132, or 133-134. Required of all majoring in French. (ELDRIDGE)

143-144 THE EIGHTEENTH CENTURY 2 credits Each semester

The main ideas and tendencies of the period as illustrated by the lives and works of its most important authors. Reading and reports. Prerequisite: One advanced literature course. (ELDRIDGE)

145-146 CONTEMPORARY LITERATURE 2 credits Each semester

Recent French literary productions, chiefly novels and dramas. Prerequisite: One advanced literature course. (Given in 1925-26.) (MATHIEU)

191 TEACHERS' COURSE IN FRENCH 2 credits First semester

This course is open only to students intending to teach. Phonetics and pronunciation, grammar review, a study of methods, course of study, practice teaching and observation. (SARGENT)

Primarily for Graduates

201-202 OLD FRENCH 3 credits Each semester

Reading and interpretation of Old French texts selected from Constans: *Chrestomathie de l'Ancien Français*, with a study of Old French phonology and morphology. (ELDRIDGE)

221-222 THE LITERATURE OF THE RENAISSANCE
3 credits Each semester

A study of the literature of the French Renaissance and the beginnings of classicism. Individual study and reports; lectures; class study of selected texts. (HOWE)

246 LYRIC POETRY OF THE LATE MIDDLE AGES
2 credits Second semester

A study of the great lyric poets of the fifteenth century, with particular attention to Charles d'Orléans and Villon. (HOWE)

251 HISTORY OF CRITICISM 2 credits First semester

A study of the chief representatives of literary criticism beginning with Aristotle and coming down to present day critics in French. Lectures and reading. (MATHIEU)

261-262 FRENCH SEMINAR 2 to 4 credits Each semester
(ELDRIDGE)

GERMAN

Students who present two years of high-school German for entrance continue in German 13-14 (and, if possible, also German 11-12). Those

who have had no German, and usually those who have had one year of high-school German, will take German 1-2. No credit is given for German 1 until German 2 is completed. Advanced and graduate courses are given according to the needs of students.

Primarily for Undergraduates

- 1-2 ELEMENTARY GERMAN 5 credits Each semester
The essentials of German grammar, with constant practice in pronunciation, simple translation from English into German, and the reading of easy narrative German. Alexis and Schrag: *First Course in German*, Hewett: *A German Reader*. (ELDRIDGE)
- 11-12 COMPOSITION AND CONVERSATION 2 credits Each semester
Grammar review and practice in writing and speaking German. Open to those who have completed German 1-2 or the equivalent, and required of those majoring in German. (HAMMAR)
- 13-14 INTERMEDIATE GERMAN 3 credits Each semester
Reading from modern and classic authors. Novel, epic, and drama from such authors as Baumbach, v. Wildenbruch, Ernst, Storm, and minor works of Heine and Goethe. Prerequisite: German 2, or two years of high-school German. (HAMMAR)
- 15-16 SCIENTIFIC GERMAN 3 credits Each semester
A special course in scientific German, open to those who have completed German 13-14 and to others by special permission. A science reader, followed by reading in scientific journals and short monographs. (ELDRIDGE)

For Advanced Undergraduates and Graduates

- 115-116 ADVANCED SCIENTIFIC GERMAN 1 or 2 credits Each semester
Directed reading in scientific German, open to those who have had German 15-16 and to others by special permission. Forty-five hours of reading per credit and weekly reports to the instructor. (ELDRIDGE)
- 121-122 SURVEY OF GERMAN LITERATURE 3 credits Each semester
Selected readings, reports, and lectures. Robertson's *History of German Literature*, Thomas' *Anthology*. A general survey of German literature from the earliest times. Prerequisite: German 13-14. Required for a recommendation to teach German. (ELDRIDGE)
- 131-132 THE MODERN NOVEL 2 credits Each semester
A reading course in novels of the last two centuries. Prerequisite: German 13-14. (Alternates with 133-134; given in 1926-27.) (HAMMAR)

- 133-134 THE MODERN DRAMA 2 credits Each semester
A reading course in dramas of the nineteenth and twentieth centuries. Prerequisite: German 13-14. (Alternates with 131-132; given in 1925-26.) (HAMMAR)
- 141-142 SCHILLER 3 credits Each semester
Schiller's biography, (Sime, with references to Thomas.) Selected lyrics and ballads. *Die Jungfrau von Orleans*, *Wilhelm Tell*, *Die Braut von Messina*, and the *Wallenstein* complete. Prerequisite: German 13-14 or the equivalent. (ELDRIDGE)
- 143-144 GOETHE'S LIFE AND WORKS 3 credits Each semester
Study of Goethe's life and development, in connection with his lyric poems; *Dichtung und Wahrheit*, *Götz von Berlichingen*, *Werther*, *Egmont*, *Tasso*, *Iphigenie*. Prerequisite: One advanced year-course in German. (ELDRIDGE)
- 146 FAUST 3 credits Second semester
Reading, interpretation, and discussion of *Faust I* and *II*, with collateral reading in Faust literature. (ELDRIDGE)

Primarily for Graduates

- 201-202 MIDDLE HIGH GERMAN 3 credits Each semester
Grammar, Michels: *Mittelhochdeutsches Elementarbuch*, or Paul: *Mittelhochdeutsche Grammatik*; Reading of Hartman's *Der arme Heinrich*; the *Nibelungenlied*; selected poems of Walter von der Vogelweide; and selections from Wolfram von Eschenbach's *Parzival*. (ELDRIDGE)

ITALIAN

Primarily for Undergraduates

- 1-2 ELEMENTARY ITALIAN 3 credits Each semester
The essentials of Italian grammar, with constant practice in pronunciation, simple translation from English into Italian, and the reading of easy Italian. Required of music students majoring in Voice; open to others only by permission of the head of the Department. (———)

RUSSIAN

Primarily for Undergraduates

- 1-2 ELEMENTARY RUSSIAN 5 credits Each semester
Pronunciation, rudiments of grammar, and reading of elementary texts. (SREBRENNIKOV)
- 13-14 INTERMEDIATE RUSSIAN 3 credits Each semester
Reading of modern authors; review of grammar; conversation. (SREBRENNIKOV)

SPANISH

Students who present two years of high-school Spanish for admission will continue in Spanish 13-14 (and also, if possible, in 11-12). Those having one year of high-school Spanish may take Spanish 2, but often it will be better to take Spanish 1 in review. No student may elect French 1 and Spanish 1 the same year. No credit is given for Spanish 1 until Spanish 2 is completed. Spanish 11-12, 13-14, 112, and 191, and ten credits in literature must be taken by those desiring a recommendation to teach Spanish.

Primarily for Undergraduates

- 1-2 ELEMENTARY SPANISH 5 credits Each semester
The aim of the course is to give the student a good pronunciation, facility in reading easy prose, and ability to understand and speak simple Spanish. May be begun either semester. (SARGENT, TROMANHAUSER, RAYNALDO, BAILAR, LEWIS, POVEY, VAZQUEZ)
- 11-12 COMPOSITION AND CONVERSATION 2 credits Each semester
Drill in free reproduction and conversation based on texts. Open to those who have had Spanish 1-2 or two years of high-school Spanish; required of those majoring in Spanish. (RAYNALDO)
- 13-14 INTERMEDIATE SPANISH 3 credits Each semester
Reading of modern authors, conversation, review of grammar, and a study of idioms. The aim of this course is to give the student an accurate reading knowledge of modern Spanish. May be begun in either semester. (SARGENT, TROMANHAUSER, RAYNALDO, VAZQUEZ)
- 15-16 BUSINESS CORRESPONDENCE AND CONVERSATION 3 credits Each semester
This course deals with business-letter forms, business interviews and conversations, and aims to familiarize the student with the vocabulary and phraseology of business. Open to students who have completed Spanish 13-14. (RAYNALDO)

For Advanced Undergraduates and Graduates

- 112 ADVANCED SYNTAX 3 credits Second semester
A thoro study of advanced grammar and composition. Prerequisite: Spanish 11-12. (SARGENT)
- 121-122 HISTORY OF SPANISH LITERATURE 2 credits Each semester
A general survey of the history of Spanish literature, with special stress upon the most important movements and writers. Lectures, reading of selected texts, parallel reading, reports. To be conducted, so far as possible, in Spanish. Prerequisite: Spanish 13-14. (SARGENT)
- 131-132 THE NINETEENTH CENTURY NOVEL 3 credits Each semester
Representative novels selected from the following writers:

Fernán Caballero, Becquer, Alarcón, Valera, Pereda, Galdós, Valdés, Pardo Bazán. Prerequisite: Spanish 13-14. (Alternates with 133-134; given in 1924-25.) (TROMANHAUSER)

133-134 THE NINETEENTH CENTURY DRAMA

3 credits

Each semester

Representative dramas selected from the works of the following: Moratin, Rivas, Bretón, Zorrilla, Gutiérrez, Hartzenbusch, Avellaneda, Tamayo, Nuñez de Arce, Echegaray, Galdós. Prerequisite: Spanish 13-14. (Alternates with 13-14; given in 1925-26.) (TROMANHAUSER)

141-142 THE GOLDEN AGE

2 credits

Each semester

Cervantes' *Don Quijote*; a careful study of the life and works of Lope de Vega and Calderón. Prerequisites: Spanish 13-14, 121-122. (Alternates with 143-144; given in 1925-26.) (SARGENT)

143-144 EIGHTEENTH CENTURY LITERATURE

2 credits

Each semester

Critical study of the literary movements of the century. Reading and reports of representative works of Moratin, Gorostiza, Valdés, Padre Isla, and others. Prerequisite: Spanish 13-14. (Alternates with 141-142; given in 1924-25.) (SARGENT)

145-146 SPANISH LYRICS

2 credits

Each semester

Selections from representative lyric writers from the thirteenth to the twentieth centuries. Prerequisite: Spanish 13-14. (Alternates with 147-148; given in 1924-25.) (TROMANHAUSER)

147-148 CONTEMPORARY LITERATURE

2 credits

Each semester

Readings and discussions of contemporary writers, including those of Spanish America. Prerequisite: Spanish 121-122. (Alternates with 145-146; given in 1925-26.) (SARGENT)

191 TEACHERS' COURSE IN SPANISH

2 credits

First semester

Preparation for teaching, phonetics, pronunciation. Practice teaching in class. Consideration of methods and texts to be used in teaching. Prerequisites: Spanish 11-12, 13-14, and at least one advanced course in literature. (SARGENT)

Primarily for Graduates

261-262 SEMINAR IN SPANISH LITERATURE

2 to 4 credits

Each semester

(SARGENT)

263-264 SEMINAR IN SPANISH-AMERICAN LITERATURE

2 to 4 credits

Each semester

(SARGENT)

MUSIC

Professor BANGS, Assistant Professors CLARK, CLAUS, WEAVER, NYVALL;
Miss ARMSTRONG, Miss GARNETT, Mr. NIELSEN

Students may enrol in the Department of Music and on satisfactory completion of one of the special music curricula outlined on pages 59-61 of the catalog, receive the special degree, Bachelor of Music. The majors are either Public School Music, Theory and Composition, or Applied Music (Voice, Violin, or Piano). Those students who wish a Bachelor of Arts degree will take the prescribed work of the College of Letters and Science and elect Applied Music as their major.

Students taking Applied Music will receive credit in proportion to the lessons taken. For one lesson a week for one semester, one and one-half credits will be given; for two lessons a week for the same period, three credits will be given. Beginners will not receive credit for less than a whole year's work. They may enrol either semester. Students enrolling in degree courses must pass the tests outlined below before credit for their work may be received.

By arrangement with the School of Education, students may enrol in that school and take the work prescribed in the Public School Curriculum as a major subject. Any student taking the Public School work may be asked to take more applied music than is outlined in the course. This will depend upon the musical ability of the individual student.

It is the aim of the Department to bring as many students as possible into contact with musical activities and organizations, and any student in the University is privileged to elect any course to which his training makes him eligible.

All students who are candidates for any degree with Piano as a major must meet the following requirements before credit for their piano study will be applied toward the degree. They must have a knowledge of all major and minor scales and be able to play works of the grade of difficulty of the following: Bach, *Little Preludes and Fugues*; Heller *op. 45, 46, 47*; Mendelssohn's *Songs Without Words*; Czerny, *opus 299*. This requirement also applies to students majoring in Theory and Composition.

All candidates for a Bachelor of Music degree must before graduation be able to play a complete program from memory. This program shall contain works of the classic, romantic, and modern schools, such as Bach and Beethoven, Schumann and Chopin, Ravel and Debussy. One number shall be a concerto. Candidates for the Bachelor of Arts degree shall meet the same requirements, slightly modified, and the concerto may be omitted.

All students who are candidates for any degree with Violin as a major must meet the following requirements before receiving credit for their work. They must have a knowledge of correct position, intonation, tone, bowing, and scales. They must have had an amount of training equal

to Kayser's *36 Studies*, and Maza's *30 Special Studies*, and be able to play such pieces as *Six Airs Varies* by Dancla, etc. Before graduation they must prove their efficiency by giving a recital consisting of a sonata, a concerto, and shorter pieces by old and modern masters.

All students who are candidates for any degree with Voice as a major must have some knowledge of the piano and be able to play accompaniments in an acceptable manner.

GENERAL MUSIC COURSES

Primarily for Undergraduates

- | | | | |
|-------|---|-----------|---------------|
| 1-2 | SIGHT-SINGING AND EAR-TRAINING | 2 credits | Each semester |
| | (GARNETT) | | |
| 3-4 | HARMONY | 2 credits | Each semester |
| | Study of intervals; principal and secondary triads in four-voiced harmony; key-board exercises; figured basses and harmonization of melodies; dispersed harmony; modulation. (CLAUS) | | |
| 5-6 | HARMONY | 2 credits | Each semester |
| | Secondary seventh chords and their inversions; harmonization of melodies and figured chorals; modulation; florid melody and accompaniments; non-harmonic tones. (CLAUS) | | |
| 7-8 | ENSEMBLE | 1 credit | Each semester |
| | An elective course for violin and piano students in which duets, trios and quartets will be studied. This course is required only of those violin and piano students working for the degree, Bachelor of Music. (CLAUS) | | |
| 71-72 | SCHOOL MUSIC | 2 credits | Each semester |
| | The course will deal with the materials and problems in music thru the various grades up to the junior high school. (GARNETT) | | |

For Advanced Undergraduates and Graduates

- | | | | |
|---------|---|-----------|---------------|
| 101-102 | HISTORY AND APPRECIATION OF MUSIC | 3 credits | Each semester |
| | A combination course covering the entire field of the history of music and dealing with all important composers and their works, and all important phases in the development of music. An especially exhaustive study is made of the development of musical forms and much material is presented to the class for analysis and hearing. (BANGS) | | |
| 103-104 | HARMONIC ANALYSIS | 2 credits | Each semester |
| | Accounting for every chord, embellishment, appoggiatura, etc., in a musical composition. Chorals, compositions by Bach, Beethoven, Mendelssohn, Wagner, and others will be analysed. (NYVALL) | | |

- 105-106 COUNTERPOINT 2 credits Each semester
Deals with the independent movement of the melodic parts.
Original exercises. (NYVALL)
- 107-108 CANON AND FUGUE 2 credits Each semester
Study of canon, the strictest form of musical imitation in which
two or more parts take up in succession exactly the same subject, and of
fugue, the most highly developed form of contrapuntal imitation.
(NYVALL)
- 109 COMPOSITION 2 credits First semester
The study of the various formal styles in which music may be
written. The development of the figure, motive, phrase, period, etc.
(NYVALL)
- 110 COMPOSITION AND ORCHESTRATION 3 credits Second semester
Continuation of Course 109, with the study of the instruments of
the orchestra, alone and in combination. (NYVALL)
- 111-112 CONDUCTING 1 credit Each semester
Practice in conducting and training choral and instrumental bodies.
(GARNETT)
- 171-172 HIGH SCHOOL MUSIC 2 credits Each semester
One semester each will be given to the work in the junior high and
the high school. Methods, materials, etc. (GARNETT)
- 173 PRACTICE TEACHING 3 credits First semester
Students will do observation work and practice teaching in the
public schools. (GARNETT)
- 174 SUPERVISION 1 credit Second semester
The problems of the music supervisor. (GARNETT)

PIANO

Assistant Professors NYVALL, CLARK, and WEAVER

A systematically developed technical foundation is secured thru carefully graded exercises and studies. The musical development of the student at the same time receives attention, good rhythm, variety of tone, accurate phrasing, and clearness of conception being insisted upon.

In advanced study, the more difficult compositions of classical and modern composers are studied, with special attention to finer discriminations of rhythm, tone, and touch. Training is also directed toward the closer co-ordination of the physical, intellectual, and emotional faculties.

The following list of studies and pieces is merely indicative of the work required each year.

- 21-22 PIANOFORTE-PLAYING 1½ or 3 credits Each semester
For Freshman year.

Scales and arpeggios in various forms and tempi; Czerny, op. 299; Heller, op. 47; Bergmuller, op. 105; Duvernoy, op. 120; Bach (easier compositions including little preludes and fugues); sonatinas of Clementi, Dussek, Reinecke, Haydn, Mozart, Beethoven; appropriate pieces.

- 23-24 PIANOFORTE-PLAYING 1½ or 3 credits Each semester
For Sophomore year.

Scales and arpeggios continued; Bach, Two- and Three-Part Inventions; Heller, op. 45-46; easier sonatas of Haydn, Mozart, Beethoven; Czerny, op. 740; Cramer, studies; selections from classical and modern composers.

- 25-26 PIANOFORTE-PLAYING 1½ or 3 credits Each semester
For Junior year.

Cramer continued, or other etudes of similar grade; Kullak or other standard octave studies; selections from Beethoven, Schubert, Mendelssohn, Weber, Chopin, Raff, Grieg, Tchaikowsky, MacDowell and others.

- 27-28 PIANOFORTE-PLAYING 1½ or 3 credits Each semester
For Senior year.

Bach, *Well Tempered Clavichord*; Clementi, *Gradus ad Parnassum*; Chopin, etudes; Schumann, Grieg, Moskowski, Rubinstein, Brahms, Liszt, Debussy, and others. The Senior recital will include chamber music or a concerto of advanced grade; a more difficult Beethoven sonata; one of Bach's more important works; a Chopin etude; and selections from modern writers.

VOICE

Professor BANGS, Miss ARMSTRONG

All voice work must be adapted to the individual needs. Hence the following outline is only a suggestion of the ground covered and the material used.

- 31-32 VOICE-TRAINING 1½ or 3 credits Each semester

Principles of breathing, tone production, diction, and legato. Exercises from Concone, Vacai, Sieber, and Marchesi. Simple legato songs in English or Italian.

- 33-34 VOICE-TRAINING 1½ or 3 credits Each semester

Continuation of principles taught in the first year. Exercises given to produce a free, unimpeded tone, with full use of head cavities. Simple songs in English or Italian.

- 35-36 VOICE-TRAINING 1½ or 3 credits Each semester

Continued exercises for principles already mentioned. More

difficult songs in English or other languages as students' capabilities will permit. Students will appear frequently in public.

- 37-38 VOICE-TRAINING 1½ or 3 credits Each semester
During this year the effort is made to give the student a repertoire suitable to his voice and general capabilities. Songs, modern and old, from oratorio and opera and the great masters, are used. Students are required to appear frequently in public.

VIOLIN

Assistant Professor CLAUS

- 41-42 VIOLIN PLAYING 1½ or 3 credits Each semester
For Freshman year.
Fundamentals of violin playing; first position, development of bowing; intonation and the fundamentals of technique. Book 1 of the Belgian School of Violin and Wohlfahrt's Studies used.
- 43-44 VIOLIN PLAYING 1½ or 3 credits Each semester
For Sophomore year.
Study of the seven positions; scales; continuation of bowing and technique, double stoppings and natural harmonics. Book 2 of the Belgian School of Violin; pieces.
- 45-46 VIOLIN PLAYING 1½ or 3 credits Each semester
For Junior year.
More advanced work in the different varieties of bowing—staccato, spiccato, arpeggio, etc.; scales, chords, and double stoppings, and violin technique. Pieces by old and modern masters; Book 3 of the Belgian School of Violin; works by Kayser and Kreutzer.
- 47-48 VIOLIN PLAYING 1½ or 3 credits Each semester
For Senior year
Advanced work; short and long scales with Paganini fingering; difficult arpeggios, chords, double stoppings and bowing technique. Book 4 of the Belgian School of Violin; works of Kreutzer and Fiorillo, concertos by De Beriot, Viotti and Rode; pieces.

ORGAN

Assistant Professor NYVALL

- 51-52; 53-54 1½ or 3 credits Each semester
No previous knowledge of the instrument is required, but the student should be well grounded in piano playing. Instruction books, such as Stainer's, are used, followed by pedal work, touch, phrasing, registration, hymn playing, and repertoire pieces as required by the individual student.

WIND INSTRUMENTS OF THE BAND AND ORCHESTRA

Mr. NIELSEN

Instruction upon the wind instruments of the Band and Orchestra will be given by arrangement with the instructor. No university credit will be given.

ORGANIZED MUSIC

61-62 UNIVERSITY GLEE CLUB 1 credit Each semester
Try-outs for admission to membership in the club are held in the fall. The membership is limited. All male students of the University are eligible (BANGS).

63-64 TREBLE CLEF CLUB 1 credit Each semester
This is the Women's Glee Club of the University. Rules which apply to the men's club apply to this. (BANGS).

65-66 UNIVERSITY ORCHESTRA 1 credit Each semester
The orchestra is open to all students of the University and is required of students majoring in the violin. (CLAUS).

67-68 CHORAL SOCIETY
The membership of this society consists of the members of both glee clubs, and other qualified students and townspeople. Rehearsals are held for the study and rendition of oratorios and mixed choruses. Credit will be given. (BANGS).

CADET BAND

A cadet band is organized from members of the R. O. T. C. and others who register especially for the band. The band is part of the R. O. T. C. and is under the direction of Mr. Bernt Nielsen, Band Leader, U. S. Army.

DEPARTMENTAL REGULATIONS.—No student is permitted to register for a briefer period than a full semester.

No student is permitted to appear in public performance without the consent of the instructor.

No deduction will be made for lessons missed, nor will such lessons be made up. In case of serious illness, special arrangements will be made by the Department. No lessons lost because of University holidays will be made up.

Tuition is payable in advance for the semester or unexpired portion thereof. Special arrangements may be made with the Bursar to pay the semester fees in two equal installments at the beginning and end of the first nine weeks. Students entering after the opening of the semester are charged pro rata, except that no allowance will be made on account of absence from the first week in any semester.

All students will be required to do their practicing in the regular

practice rooms of Liszt Hall, unless special permission is given to practice elsewhere.

Students in any department of the University may take any course in Music and receive credit for it. Students not of University rank may register in Music and receive no credit.

TUITION.—The following is a table of fees for lessons in Music, payable at the Bursar's office and subject to the rules stated above:

PIANO, VOICE, AND VIOLIN

Two lessons a week, 30 minutes each	\$50.00
One lesson a week, 30 minutes	30.00

PIANO RENTALS

One hour a day for the semester	\$ 4.00
Two hours a day for the semester.....	6.00
Three hours a day for the semester.....	8.00

ROOM RENTALS FOR VIOLIN STUDENTS

One hour a day for the semester	\$ 2.00
Two hours a day for the semester	4.00

PHILOSOPHY

*Associate Professor CHENOWETH

Primarily for Undergraduates

- 1 HISTORY OF ANCIENT PHILOSOPHY 3 credits First semester
A general study of the development of thought from Thales to Descartes, with especial reference to the origin of the concepts which are commonly used in the expression of modern thought. Particular attention will be given to the method of Socrates and the systems of Plato and Aristotle. Not open to Freshmen. (CHENOWETH)
- 2 HISTORY OF MODERN PHILOSOPHY 3 credits Second semester
A study of the development of thought from Descartes to the present time. Emphasis will be placed on the relation of the various movements in philosophy to the formation of modern systems. Prerequisite: Phil. 1. (CHENOWETH)

For Advanced Undergraduates and Graduates

- 101 ETHICS 3 credits First semester
A brief treatment of the various stages in the development of ethical thought, with the object of deriving a standard for the government of moral conduct. (CHENOWETH)
- 102 ETHICS (Advanced) 3 credits Second semester
A comparative study of ethical theories and the application of

*On leave, 1924-1925.

the moral criterion to present-day problems. The Case System will be used. Prerequisite: Phil. 3. (CHENOWETH)

- 103 LOGIC 3 credits First semester
The laws of thought will be studied with a view to their use in the organization of the results of everyday experience and scientific investigation. Special attention will be given to the function of logic in the methods of science. (CHENOWETH)
- 104 CONTEMPORARY PHILOSOPHY 3 credits Second semester
A critical study of the persistent problems in philosophy, including various phases of pluralism and monism, idealism and materialism. The salient features in the systems of Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, and Kant will be used as a basis. The aim will be to familiarize the student with the various bases on which a philosophy of life may rest. (CHENOWETH)
- 105 THE STATE AND THE INDIVIDUAL 3 credits First semester
A study of the ethical principles applicable to the various activities of the individual in connection with the state. Prerequisite: Phil. 1. Offered in alternate years; offered in 1924-25. (CHENOWETH)
- 106 PHILOSOPHY OF RELIGION 3 credits Second semester
An examination of the fundamentals of the different world religions, with the object of determining the place of the religious consciousness in life. Prerequisite: Phil. 1. Offered in alternate years; offered in 1924-25. (CHENOWETH)
- 107 PHILOSOPHY IN LITERATURE 3 credits First semester
The development of philosophy will be studied in connection with the English literature of the eighteenth century. Given in alternate years; omitted in 1924-25. (CHENOWETH)
- 108 PLATO 3 credits Second semester
The *Republic* and *Laws* will be read in translation, with special reference to Plato's theory of government. Prerequisites: Phil. 1 and 107. Given in alternate years; omitted in 1924-25. (CHENOWETH)

Primarily for Graduates

- 201-202 ADVANCED PHILOSOPHY 2-4 credits Both semesters
An investigation of a general problem in Philosophy, selected at the beginning of each semester by the instructor in consultation with the members of the class. Each student will be required to present to the class one or two reports covering the results of a considerable amount of research in connection with a particular phase of the general problem. Open to graduates and majors in the Department. (CHENOWETH)

203-204 SEMINAR IN PHILOSOPHY

Not to exceed 4 credits

Both semesters

A survey of the recent literature in the field of philosophy thru investigations and reports by members of the class. Problems in research may be carried on in the course and their results presented from time to time for discussion. Open to graduates and advanced students in Philosophy. (CHENOWETH)

205-206 RESEARCH

Credits to be arranged

Both semesters

(CHENOWETH)

PHYSICAL EDUCATION

Director MATHEWS, Assistant Professor WIRT, Assistant Director
MACMILLAN, Miss RICHARDSON

Miss ANDREWS

The Department of Physical Training endeavors to meet the needs of the students in three ways: first, by giving each student a thoro physical examination and advice in matters of well-being; second, by offering a means of systematic exercise and body building; and third, by offering instruction suitable for teachers who may desire to carry on work in the grade schools, in the high schools, or in the public playgrounds.

Provision is made for the study and practice of hygiene, or exercise in the classes organized for that purpose in the Gymnasium. These classes are intended to check and correct abnormal tendencies and to promote the general health of the students.

COURSES FOR WOMEN

Work in this department is required of Freshmen and Sophomores. Juniors and Seniors are encouraged to continue by receiving credits toward graduation for the courses elected. Those who wish to specialize in Physical Education or to prepare for playground work must consult Assistant Professor Wirt before arranging a schedule. (For a degree in Education with special work in Physical Education see courses offered in the School of Education).

1-2 FRESHMAN COURSE

2 credits

Each semester

Three hours a week. The work of this course is arranged with reference to the needs of the individual student as indicated by the physical examination and study of personal tendencies. It includes (a) *Physical Training*: two hours a week of practice exercises with and without apparatus, folk dancing, gymnasium games, and games of skill, and (b) *Personal Hygiene*: one class discussion a week on problems of personal hygiene. (WIRT, RICHARDSON)

3-4 SOPHOMORE COURSE

1 credit

Each semester

A continuation of Course 1-2, the work being of an intermediate

and advanced character. Two hours a week in instruction in gymnastics, competitive games, athletic sports, and elementary classic dancing. (RICHARDSON, WIRT)

9-10 ESTHETIC DANCING 1 credit Each semester
Two practice hours a week. (WIRT)

11-12 ADVANCED ESTHETIC DANCING 1 credit Each semester
Two practice hours a week. (WIRT)

21 PLAYGROUND SUPERVISION 2 credits First semester
In addition to the technical knowledge and skill required by the director of a playground, this course is designed to give a broad view of the other influences at work in this field and to show the possibilities of play as an educational force in the community. Three class periods a week. (WIRT)

23 HISTORY OF PHYSICAL EDUCATION 1 credit First semester
A reading course dealing with the development and history of gymnastics, track and field athletics, sports, and the playground movement. Periodic quizzes on material covered. (WIRT)

26 FESTIVALS AND PAGEENTRY 2 credits Second semester
Two lecture hours a week. This course includes a study of festival material adapted to school and playground use. (WIRT)

For Advanced Undergraduates and Graduates

111-112 PRACTICAL GYMNASTICS 1 credit Each semester
An advanced course in military tactics, light and heavy apparatus work, required of Physical Education majors and open to upper-class women interested in continuing gymnastics after their Sophomore year. Two class periods a week. (WIRT)

120 REMEDIAL GYMNASTICS 2 credits Second semester
Technique of giving physical examinations, and the prescription of proper remedial gymnastics. Two hours a week. (WIRT)

123 FIRST AID 1 credit First semester
A course in first aid and emergencies, with special emphasis on athletic injuries and their care, qualifying for the Red Cross Certificate in First Aid. One two-hour period a week. (ANDREWS)

125 MANAGEMENT OF WOMEN'S ATHLETICS 2 credits First semester
Theory and practice in coaching team games for use in playgrounds and high schools. Prerequisites: At least one season's participation in volley ball, basketball, and indoor baseball. (WIRT)

140 METHODS OF GYMNASTIC TEACHING 2 credits Second semester
Methods of teaching gymnastics. Three class periods a week. (WIRT)

143 PRACTICE TEACHING IN GYMNASTICS

3 credits

First semester

Fifty-four hours teaching gymnastics under supervision. Prerequisite: P.E. 140. (WIRT)

COURSES FOR MEN

*Primarily for Undergraduates*51-52 INTRODUCTORY COURSE $\frac{1}{2}$ credit Each semester

Two hours a week. Light apparatus work, including dumbbells, Indian-clubs, bar-bells, and tactics. (MACMILLAN)

53-54 ADVANCED WORK $\frac{1}{2}$ credit Each semester

Two hours a week. Light and heavy gymnastics, athletics, field sports, etc. (MACMILLAN)

55 PERSONAL HYGIENE 2 credits Second semester

Two hours a week. Pyle's *Personal Hygiene* will be used as a textbook. (MACMILLAN)

56 MEDICAL GYMNASTICS 2 credits Second semester

This is a course in exercise and its relation to education and medicine. It will endeavor to enlighten the student of physical education on the real educational value of neuromuscular training. (MACMILLAN)

57 PLAYGROUND SUPERVISION 2 credits First semester

One lecture and two practice hours a week. This course will consist of the teaching and directing of plays and games. The playground and its relation to civics and health, and the importance of the playground as a social center are discussed. (MATHEWS)

59-60 TEACHER'S COURSE IN GYMNASTICS

1 credit

Each semester

One lecture and two practice and observation hours each week. This is a study of physical education and organization from the standpoint of grade and high-school instruction. (MACMILLAN)

61-62 TEACHER'S COURSE IN ATHLETIC TRAINING

2 credits

Each semester

A course in athletic training for the care of men in all branches of athletics, especially adapted for instruction from the coach's viewpoint. One hour a day required five days a week in active work with the various Varsity squads, and two hours a week in lecture work during the months of December, January, February, and March. The course includes full instruction in coaching football, basket ball, baseball, and track and field athletics. (MATHEWS)

63 BOXING $\frac{1}{2}$ credit Second semester64 WRESTLING $\frac{1}{2}$ credit Second semester

For Advanced Undergraduates and Graduates

- 165-166 ADVANCED TEACHER'S COURSE 2 credits Each semester
An advanced course in athletic training for those expecting to coach. Prerequisite: P.E. 61-62.

PHYSICS

Professor ANGELL, Assistant Professors LUKE and DAHM, Mr. HELLAND,
*Mr. HAMMAR, Mr. WEST

Primarily for Undergraduates

- 01 ELEMENTARY PHYSICS 5 credits Either semester
An elementary course covering the important phenomena of physics. Designed for those who wish a general knowledge of the subject but do not expect to major in science. Required of Sophomores in Agriculture, Juniors in the Music Curriculum and elective for others who have not presented one credit in physics for entrance. Students entering deficient in science may satisfy one unit entrance deficiency with this course. Four hours of lecture and recitation and one three-hour laboratory period a week. Text: Smith's *Elements of Applied Physics*. (LUKE)
- 1-2 GENERAL PHYSICS 4 or 5 credits Each semester
A general course, including the fundamentals of mechanics, heat, light, sound, electricity, magnetism, and radio-activity. Presents the principles of the science while avoiding the difficulties of a mathematical treatment of the subject. Demonstration lectures, recitations, textbook, and laboratory work. Prerequisite: Phys. 01, or high-school physics. (DAHM, LUKE)
- 11-12 ENGINEERING PHYSICS 5 credits Each semester
A general course similar to 1-2, but giving a more mathematical treatment of the subject. This course must be preceded or accompanied by the Calculus. Required of all Sophomore engineers. Prerequisite: Phys. 01, or high-school physics. (ANGELL, LUKE)
- 56 MUSIC AND SOUND 3 credits Second semester
A course for music students, dealing with the relation of music to acoustics and wave motion; treating also of the acoustic property of halls. Prerequisite: Phys. 01, or high-school physics. (DAHM)
- 57 PHYSICS OF THE HOUSEHOLD 4 credits First semester
A course for students in Home Economics, giving the application of physics to household appliances. Prerequisite: High school physics or Phys. 01. (LUKE)
- 71-72 METEOROLOGY 3 credits Each semester
In addition to a broad survey of meteorology, special attention

*On leave, 1924-25.

will be given to meteorological conditions of this region and their bearing on local climatic conditions. Prerequisite: General Physics. (ANGELL)

- 92 THE TEACHING OF PHYSICS 3 credits Second semester
A course intended for those who desire to teach physics in the high schools, consisting of lectures and discussions upon the choice of subject matter and the method of presentation best suited to elementary courses. The choice of textbooks, reference books, suitable equipment, how to order apparatus, methods of laboratory procedure and other practical matters will be considered. Prerequisite: Phys. 1 and 2. (LUKE)

For Advanced Undergraduates and Graduates

- 121-122 ANALYTIC MECHANICS 3 credits Each semester
Statics, friction, kinematics, and kinetics. Prerequisites: General Physics and a knowledge of the Calculus. Required of those majoring in Physics. (DAHMER)
- 123-124 CELESTIAL MECHANICS 3 credits Each semester
A study of the motion of the planets, central forces, and energy. Prerequisite: Phys. 121-122. (ANGELL)
- 133-134 ELECTRICAL MEASUREMENTS 2 credits Each semester
A laboratory course in electrical and electromagnetic measurements; including the calibration of electrical measuring instruments, measurement of magnetization, inductance, and capacity. Designed to accompany 131-132. Courses 131 and 133 required of Electrical Engineers. (HAMMAR)
- 141 ADVANCED HEAT 4 credits First semester
Conduction, convection, radiation, and the principles of thermodynamics, with a study of the methods of measuring high and low temperatures. One laboratory period each week. Prerequisites: Phys. 1-2, Math. 21-22. (ANGELL)
- 152 ADVANCED LIGHT 4 credits Second semester
Theoretical and experimental optics. One laboratory period each week. Prerequisite: Math. 21-22. (ANGELL)
- 161 ELECTRON THEORY 2 credits First semester
A course presenting the modern views concerning the constitution of matter. (LUKE)
- 162 KINETIC THEORY 2 credits Second semester
A study of molecules and their motion. (ANGELL)
- 172 ACOUSTICS 4 credits Second semester
A study of sound waves; their propagation, reflection, transmission.

and absorption. Application to buildings and consideration of resonance, interference, and echoes, with methods of elimination. (ANGELL)

Primarily for Graduates

- 201-202 RESEARCH 3 to 5 credits Each semester
A course for advanced students who desire to pursue a special line of investigation under the supervision of an instructor. (ANGELL, DAHM, LUKE)
- 221-222 ADVANCED MECHANICS 4 credits Each semester
A mathematical treatment of the dynamics of rigid bodies, gyroscopic motion, hydrodynamics, and elasticity. Prerequisite: Phys. 121-122. (DAHM)
- 241-242 HEAT CONDUCTION 3 credits Second semester
A mathematical study of heat conduction with application to many practical problems. (ANGELL)

PLANT PATHOLOGY

Professor HUNGERFORD, Mr. RAEDER

Primarily for Undergraduates

- 2 NATURE AND CONTROL OF PLANT DISEASES 2 credits Second semester
A general informational course dealing with the nature and control of typical common diseases of field, garden, and fruit crops. Intended for those who desire a general knowledge of plant diseases in order to fit themselves for general agriculture. One lecture and one laboratory period a week. (HUNGERFORD)

For Advanced Undergraduates and Graduates

- 101 GENERAL PLANT PATHOLOGY 4 credits First semester
A study of plant diseases due to bacteria, slime molds, fungi, and non-parasitic causes. Includes a study of causes, symptoms, effects, means of dissemination, and principles of control. Prerequisites: Botany 1-2, or Botany 11. Two lectures and two laboratory periods weekly. (HUNGERFORD)
- 102 METHODS IN PLANT PATHOLOGY 3 credits Second semester
Greenhouse and laboratory studies of bacterial and fungous diseases of plants, including cultural methods, isolation, inoculation, spore germination, etc. Especial attention is given to non-parasitic diseases and to the "virus" diseases. Prerequisites: Plant Pathology 101, and Bacteriology 101. One lecture and two laboratory periods. (HUNGERFORD)
- 106 FOREST PATHOLOGY 2 credits Second semester
See Forestry 164. Arrangements have been made whereby credit

in Plant Pathology will be given for this course listed in the Forestry Curriculum.

Primarily for Graduates

- | | | | |
|---------|----------------------|------------------------|---------------|
| 201-202 | SEMINAR | 1 credit | Each semester |
| | (HUNGERFORD, RAEDER) | | |
| 203-204 | RESEARCH | Credits to be arranged | Each semester |
| | (HUNGERFORD) | | |

POLITICAL SCIENCE

(See under Economics)

POULTRY HUSBANDRY

Professor PARKHURST

Primarily for Undergraduates

- | | | | |
|---|--|-----------|-----------------|
| 2 | POULTRY PRODUCTION | 2 credits | Second semester |
| | A general course. Class work is concerned with the breeds of poultry, poultry housing, feeding for egg production, culling, and flock management. Laboratory work deals with the identification of breeds and varieties, elements of standard judging, utility judging, study of feeds, candling eggs, study of incubators and brooders, and sanitary application. One recitation and one three-hour laboratory period a week. (PARKHURST) | | |
| 3 | JUDGING | 2 credits | First semester |
| | Study of types and breeds of poultry; judging by the Standard of Perfection; preparing birds for the show. Laboratory periods are spent in score card and comparison judging practice. The poultry judging team will be selected from this class. One recitation and one three-hour judging laboratory period a week. Hours by arrangement. (PARKHURST) | | |
| 4 | INCUBATION AND BROODING | 3 credits | Second semester |
| | Lectures will cover the principles of natural and artificial incubation and brooding. Laboratory work will consist of study and operation of incubators and brooders. About one-half hour, night and morning, during the time incubators and brooders are being operated, will be required of students. Recitation and laboratory work by arrangement. (PARKHURST) | | |

For Advanced Undergraduates and Graduates

- | | | | |
|-----|---|-----------|----------------|
| 101 | ADVANCED POULTRY PRODUCTION | 3 credits | First semester |
| | Lectures will deal with breeding, mating, culling, feeding, housing, diseases, and the marketing of poultry and poultry products. The laboratory work covers practice in culling, mating, feeding, egg grading, | | |

and fattening. This course is especially adapted to the needs of students in the Teacher-Training Curriculum. Prerequisite: Junior standing in the College of Agriculture. Two recitations and one three-hour laboratory a week. (PARKHURST)

102 POULTRY MARKETING 2 credits First semester

The candling and packing of market eggs, a study of the important markets, cooperative marketing of poultry products, judging of eggs and market poultry, crate fattening, killing, dressing, and packing of market poultry. One lecture and one three-hour laboratory a week. Hours by arrangement. (PARKHURST)

103 ADVANCED FEEDS AND FEEDING 1 credit First semester

The first half of the semester is given to the study of principles of nutrition, feeds, and feeding methods. The second half is devoted to the practical feeding and care of laying hens. Prerequisite: P.H. 1-2 or 101. Hours by arrangement. (PARKHURST, VAN)

104 HOUSING 1 credit Second semester

The building of poultry houses and appliances. Prerequisite: A.E. 108. One three-hour laboratory period a week. By arrangement. (PARKHURST, VAN)

106 POULTRY BREEDS AND BREEDING 2 credits Second semester

The study of breeds of poultry and their origin. So far as time permits, this course will cover the entire field of pedigreed breeding of poultry, including the underlying principles of inbreeding, linebreeding and outcrossing, as well as actual results in practice by successful breeders. Prerequisite: Junior standing in the College of Agriculture. Two recitations a week. Hours by arrangement. (PARKHURST)

Primarily for Graduates

201-202 RESEARCH Credits to be arranged Each semester
(PARKHURST)

PSYCHOLOGY

Professor BARTON

The courses of this department are arranged in three different orders of sequence, with the thought of providing for the practical needs of students registering for this work: those who contemplate a business or professional career; those who hope to become teachers; and those who care to specialize in psychology. This arrangement should be kept in mind by students registering for work in this department.

Primarily for Undergraduates

1 GENERAL PSYCHOLOGY 4 credits First semester

This course is required as a prerequisite to all other courses in

psychology. The following will be considered: motivation factors in behavior; the nervous system; modification of innate tendencies in learning; learning, its neural bases and its relation to consciousness; attention and its relation to activity; sense impulses and motor responses; memory; perception; reasoning; instincts and emotions, and their relations to self control; certain abnormal phenomena. Three lectures and one laboratory period a week. (BARTON)

2 EDUCATIONAL PSYCHOLOGY 3 credits Second semester

Innate tendencies and capacities and their relation to the educative process; heredity and environment; laws and methods of study; nature of different learning types; retention and reproduction; mental training and transfer; individual differences, their measurement and significance in education. (BARTON)

4 APPLIED PSYCHOLOGY 3 credits Second semester

Required of all students pursuing a Major in Business.

The general nature of the human organism and the effects of environmental influences in response to phenomena; advertising and salesmanship in relation to attention, interest, and feeling; selection of employees; evidence; testimony; helps in medical practice. (BARTON)

6 INFANT AND CHILD PSYCHOLOGY 3 credits Second semester

A consideration of just what has been found to be the native equipment of the infant on coming into the world, as well as other factors that come later. An attempt will be made to determine how long such tendencies last and how they should be treated, or modified, for adequate adjustment on the part of the individual when he grows up. (BARTON)

For Advanced Undergraduates and Graduates

103 PSYCHOLOGY OF ADVERTISING AND SELLING

3 credits

First semester

A consideration of the psychological factors involved in advertising and selling—catching the attention, holding the attention, fixing the impression, provoking the response—and their relation to individual differences in instincts and interests. (BARTON)

108 EXPERIMENTAL PSYCHOLOGY 2 credits

Second semester

Classical experiments in the fields of sensation, feeling, attention, learning, physiological orientation and actions. An opportunity is afforded to become familiarized with scientific method and form in doing work, as well as to become familiarized with the initial factors conditioning human response. One lecture and one laboratory period a week. (BARTON)

109 MENTAL TESTING 3 credits

First semester

This course is designed to give training in the measurement of

mental ability or innate capacity, in the selection, by tests and otherwise, of those of different levels of intelligence, with some consideration of the fitness of the various levels to certain work or study. There will be actual testing and handling of test material by each student. Topics for special study are: nature and frequency of mental deficiency and superiority; causes and problems of retardation; relation of mentality to delinquency; uses of mental tests in juvenile courts, in vocational guidance, in classifying students. Two lectures and one laboratory period a week. (BARTON)

111 PSYCHOLOGY OF THE EXCEPTIONAL INDIVIDUAL

3 credits

First semester

A diagnosis of the retarded and gifted humans, with a discussion of their needs and treatment. For Graduates and advanced undergraduates. (BARTON)

113 ABNORMAL PSYCHOLOGY 3 credits

First semester

Mental adjustment and integration of behavior into personality; conflicts and dissociations involving mild abnormality; dreams, automatisms, divided personalities and various anesthetics; hallucination; amnesias, and delusions incident to them; suggestions, hypnosis, complexes and psychoanalysis; the grouping of disorders into syndromes characterizing certain types of insanity; heredity factors in mental disorganization. Relation to normal behavior and means of maintaining the integrity of personality will be emphasized. (BARTON)

116 PSYCHOLOGY OF EMPLOYMENT AND HANDLING OF EMPLOYEES

3 credits

Second semester

Analysis of the psychological factors involved in the inter-related activities of the worker, the management, and the immediate executive. Psychological factors to be considered by the immediate executive, when dealing with employees; methods for developing and training workers; measures of active ability and proficiency; the selection of workmen; and the personal efficiency of the workers as found by objective means. (BARTON)

121-122 ADVANCED PSYCHOLOGY 4 credits

Each semester

This course is intended for students of at least junior rank and who have done psychology work, in an institution of college rank, to the extent of the equivalent of seven credits at the University of Idaho. A survey of the leading problems, conceptions, methods, and results of modern psychology will be made. Selected readings from the original works of leading authors from the time of the rise of associationism to the present time will be made, as well as a critical examination of present tendencies in textbooks. Experimentation in kinesthetic, auditory, visual perception; rhythm in music and verse; illusions; learning, memory, recognition; making of measuring scales; testing the accuracy of judgment; ranking judges according to merit;

pitch discrimination; auditory and visual acuity. Applications to education, industry, business, etc., are made thruout the course, and research methods are emphasized. Three lectures and one laboratory period a week. (BARTON)

Primarily for Graduates

205 COMPARATIVE PSYCHOLOGY 3 credits First semester

A general survey of what has been done in an experimental way to determine the capacities, reactions, and general nature of lower animals in situations of controlled stimulation. For Graduates and advanced undergraduates. Two lectures and one laboratory period a week. (BARTON)

206 PSYCHOLOGY OF LEARNING 3 credits Second semester

A more intense consideration of the factors conditioning the learning process; a searching study of the roles of repetition, recency, primacy, feeling, fitness of material to past activity and to future needs. Two lecture or discussion periods and two laboratory periods each week. For Graduates and advanced undergraduates. Two lectures and one laboratory period a week. (BARTON)

207 SOCIAL PSYCHOLOGY 3 credits First semester

Innate tendencies influenced by the behavior of one's fellows, and their organization into group attitudes of opposition and cooperation; the respective roles of habit, custom, language, suggestion, imitation, and emotion and their relation to social progress. For Graduates and advanced undergraduates. (BARTON)

215-216 PSYCHOLOGICAL RESEARCH 2 credits Each semester
field of psychological investigation. Before registering, the student should consult the instructor. For Graduates only. (BARTON)

RANGER COURSES

(See under Forestry)

RUSSIAN

(See under Modern Languages)

SOCIOLOGY

(See under Economics and Political Science)

SPANISH

(See under Modern Languages)

ZOOLOGY

Professor WODSEDALEK, Associate Professor MUTTKOWSKI, Assistant
Professor ———

Primarily for Undergraduates

- 1-2 GENERAL ZOOLOGY 3 or 4 credits Each semester
Lectures, discussions, and laboratory work dealing in an elementary way with the general problems of animal structures, physiology, activities and adaptations, sex, development, heredity, evolution, and life-histories of representative and economic forms. Two lectures and one three-hour laboratory period a week for those who take three credits and an additional laboratory period for those who take four credits. (WODSEDALEK, MUTTKOWSKI)
- 3 INVERTEBRATE ZOOLOGY 4 credits First semester
A study of the structure, development, classification, relationships, instincts, and life-histories of invertebrate animals. Special attention is given to the more important parasites and economic forms. One lecture and three three-hour laboratory periods a week. Prerequisite: Zool. 1-2. (WODSEDALEK)
- 4 COMPARATIVE ANATOMY OF VERTEBRATES 4 credits Second semester
Dissection and study of types of vertebrates together with lectures and discussions on general vertebrate anatomy with special reference to the evolution of the various organ systems. Two lectures and two three-hour laboratory periods a week. Prerequisite: Zool. 1-2. (MUTTKOWSKI)
- 6 PHYSIOLOGY 3 credits Second semester
Recitations, demonstrations, and laboratory work giving a general knowledge of the more important physiological problems, and of the structure and functions of the human body. Two recitations and one three-hour laboratory period a week. Prerequisite: Zool. 1. (MUTTKOWSKI)
- 8 HEREDITY AND EUGENICS 2 credits Second semester
A scientific study of the main facts and theories of heredity and its mechanism, with emphasis on the phases pertaining to human welfare. Two lectures a week. Prerequisite: Zool. 1. (WODSEDALEK)
- 10 SOCIAL HYGIENE (WOMEN) 2 credits Second semester
This course is offered in harmony with the national movement directed by the Inter-Departmental Social Hygiene Board of the United States. Especial emphasis on the great problems of sex and conservation of mankind. Two lectures a week. (One credit; one lecture a week.) Prerequisite: Zool. 1. (WODSEDALEK)
- 12 SOCIAL HYGIENE (MEN) 2 credits Second semester
Same as Zool. 10. (WODSEDALEK)

13-14 ANIMAL ECOLOGY 2 credits Each semester

A study of animals in relation to their environment. Physiological factors which determine habitats. Special adaptations. A year course. One lecture and one discussion period a week. Field trips in the fall and spring. Prerequisites: Zool. 1-2. (MUTTKOWSKI)

18 ORNITHOLOGY 2 credits Second semester

Students will become acquainted with our common birds and their use on the farm or home grounds. One lecture and one three-hour laboratory period a week. (MUTTKOWSKI)

51 PHOTOGRAPHIC TECHNIQUE 1 or 2 credits Each semester

Discussion and practical demonstration of the principles of photography, the appliances and methods used, with particular application to microphotography as an aid in the study of zoology and medicine. Both field and laboratory work. Open to all students. (MUTTKOWSKI)

67 HOUSEHOLD AND MILL PESTS 2, 3, or 4 credits First semester

Intended for housekeepers, grocers, warehousemen and millmen, and students in home economics and agronomy. The importance of several household pests in the spread of various diseases is included. A collection of grain, dry groceries, fabric-eating and household pests will be formed. One lecture and one to three three-hour laboratory periods. (MUTTKOWSKI)

68 BEEKEEPING 2 credits Second semester

Bee culture and honey production with Italian strain of bees. One lecture and one three-hour laboratory period a week. (———)

For Advanced Undergraduates and Graduates

101 THE TEACHING OF ZOOLOGY 2 credits First semester

A consideration of the aims, methods, and subject matter of Zoology in the schools. Discussion of laboratory and equipment, technique, and specific hints on other points. Laboratory work dealing with reagents; the preparation of slides, charts, and museum specimens; class preparations; collecting; making cultures; aquaria, etc. One lecture and one three-hour laboratory period a week. Prerequisites: Zool. 1-2, 4, and 6. (WODSEDALEK)

103-104 HUMAN ANATOMY 2 credits Each semester

Demonstrations and laboratory work giving a general knowledge of the structure of the human body. Mammalian dissection along with the study of charts, models, a large completely dissectible manikin, and a human skeleton. This course is intended primarily for the needs of students in the Pre-Nursing Curriculum. It is recommended to others, particularly to students in Physical Education and Home Economics. This course should be taken along with Zool.

105-106, Human Physiology. Two three-hour laboratory periods a week. Prerequisites: Zool. 1-2, and 113. (———)

105 HUMAN PHYSIOLOGY 3 credits First semester

Lectures, demonstrations, and laboratory work, giving detailed knowledge of the various physiological functions of the human body. This course is intended primarily for the needs of students in the Pre-Nursing Curriculum. It is recommended to others, particularly to students in Physical Education and Home Economics, who desire a more thoro course than Zool. 6. This course should be preceded by, or be taken along with, Zool. 103-104, Human Anatomy. Two lectures and one three-hour laboratory period. Prerequisites: Zool. 1-2; Chem. 1-2. (———)

106 HUMAN PHYSIOLOGY 4 credits Second semester

Continuation of 105, with one additional three-hour laboratory period. (———)

107 ORGANIC EVOLUTION 2 credits First semester

A critical discussion of the facts and theories of organic evolution, and the general development of evolutionary speculation since Darwin. Two lectures a week. Prerequisite: Zool. 1-2. (Zool. 113 is recommended.) (WODSEDALEK)

113 EMBRYOLOGY 4 credits Second semester

Lectures on general problems. The laboratory work deals with studies on maturation, fertilization, segmentation, and with serial sections and entire embryos of the chick, pig, and human being with reference to the origin of the various types of tissues and the development of the different organs. Attention is given to the technique of fixing, sectioning, and staining embryological material. Two lectures and two three-hour laboratory periods a week. Prerequisites: Zool. 1-2, and 4. (MUTKOWSKI)

114 VERTEBRATE HISTOLOGY AND ORGANOLOGY

5 credits

First semester

Histology, the study of the various tissues, is first taken up, and this is followed by the study of the minute structure of the chief mammalian organs. Some time will be devoted to the technique of preparing permanent slides of the various tissues and sections of the more important organs. One lecture and four three-hour laboratory periods a week. Prerequisites: Zool. 1-2, and 4. (MUTKOWSKI)

115-116 CYTOLOGY 5 credits Each semester

Particular attention is given to the physics and chemistry of the cell, the colloidal nature of protoplasm, the effect of electrolytes on the living substance, and the phenomena of metabolism, stimulation, and transformation of energy. In laboratory work especial emphasis is placed on the study of the cell, and the relation of cytological

phenomena to normal and abnormal growth, to differentiation, to sex, and to the theories of heredity and evolution. Considerable time is devoted to the methods of fixation, sectioning, and staining of tissues for detailed microscopical examination. One lecture and four three-hour laboratory periods a week. Prerequisites: Zool. 1-2, 4, 8, and 113; Chem. 1-2. (Physics 1-2, is recommended.) (WODSEDALEK)

Primarily for Graduates

- 201-202 RESEARCH Credits to be arranged Each semester
Problems will be assigned, and students prepared for independent investigation in any phase of zoology or entomology will be given all the opportunities available for carrying on their work. (WODSEDALEK, MUTKOWSKI)
- 203-204 SEMINAR 2 credits Each semester
Reports on advanced literature in the various phases of Zoology. (WODSEDALEK)
- 205-206 ADVANCED GENETICS 2 credits Each semester
This course is in the nature of a seminar. Consent of the instructor is required before election. (WODSEDALEK)
- 269-270 ADVANCED ENTOMOLOGY 2, 3, or 4 credits Each semester
Advanced work in special lines, economic, histologic, or taxonomic. Two to four laboratory and recitation periods a week. (MUTKOWSKI)

PART V
OFFICERS OF THE
UNIVERSITY

**STATE BOARD OF EDUCATION
and
Board of Regents of the University of Idaho**

STANLY A. EASTON.....	<i>President</i>	Kellogg
	Term expires April, 1926	
HUNTINGTON TAYLOR.....	<i>Vice-President</i>	Coeur d'Alene
	Term expires April, 1928	
J. A. LIPPINCOTT.....	<i>Secretary</i>	Idaho City
	Term expires April, 1927	
MRS. J. G. H. GRAVELEY.....		Boise
	Term expires April, 1929	
IRVIN E. ROCKWELL.....		Bellevue
	Term expires April, 1925	
ELIZABETH RUSSUM, Superintendent of Public Instruction.....		Boise
	<i>ex-officio</i>	

Executive Committee of the University of Idaho

STANLY A. EASTON, <i>Chairman</i>		
IRVIN E. ROCKWELL		HUNTINGTON TAYLOR
PRESIDENT A. H. UPHAM		

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

ALFRED H. UPHAM, Ph.D.....	<i>President of the University</i>
JAY GLOVER ELDRIDGE, Ph.D.....	<i>Dean of the University Faculty</i>
PERMEAL JANE FRENCH, M.A.....	<i>Dean of Women</i>
MARTIN FULLER ANGELL, Ph.D.....	<i>Dean of the College of Letters and Science</i>
EDWARD JOHN IDDINGS, M.S.....	<i>Dean of the College of Agriculture</i>
	<i>Director of Experiment Station and Director of Extension Division</i>
IVAN CHARLES CRAWFORD, C.E.....	<i>Dean of the College of Engineering</i>
ROBERT McNAIR DAVIS, J.D.....	<i>Dean of the College of Law</i>
FRANCIS ANDREW THOMSON, D.Sc.....	<i>Dean of the School of Mines</i>

FRANCIS GARNER MILLER, M.F.....	<i>Dean of the School of Forestry</i>
JAMES FRANKLIN MESSENGER, PH.D....	<i>Dean of the School of Education</i>
KATHERINE JENSEN, M.S.....	<i>Director of the Home Economics Curriculum</i>
JERRY EDWARD WODSEDALEK, PH.D.....	<i>Director of Pre-Medical and Graduate Study</i>
HARRISON CLIFFORD DALE, A.M.....	<i>Director of the Business Curriculum</i>
EDWIN ORLO BANGS, B.A.....	<i>Director of the Music Curriculum</i>
RUDOLPH WEAVER, A.I.A.....	<i>University Architect</i>
FRANCIS JENKINS.....	<i>Proctor</i>
FRANK STANTON, LL.B.....	<i>Bursar</i>
LAFAYETTE RUSSELL PARSONS.....	<i>Executive Secretary to the President</i>
MARY BELLE SWEET, B.L.S.....	<i>Librarian</i>
ELLA LETITIA OLESEN.....	<i>Registrar</i>
EDWARD FILES MASON, B.LIT.....	<i>Director of Publication* and Secretary of the Faculty</i>
LOUISE SHAFF BLOMQUIST, B.A.....	<i>Assistant Dean of Women</i>

FACULTY OF THE UNIVERSITY

PROFESSORS, ASSOCIATE PROFESSORS, AND ASSISTANT PROFESSORS

The figure following the name and degree of each officer indicates the date of his first appointment to the staff of the University.

ALFRED H. UPHAM, PH.D., *President of the University*
A.B., A.M., Miami University; A.M., Harvard University; Ph.D., Columbia University. 1920.

MARTIN FULLER ANGELL, PH.D., *Professor of Physics, and Dean of the
College of Letters and Science*
B.S., M.A., Ph.D., University of Wisconsin. 1913.

FRED EUGENE ARMSTRONG, M.S., *Professor of Agricultural Education and
Principal of the School of Practical Agriculture*
B.S., Clemson Agricultural and Mechanical College; M.S., University of Minnesota. 1921.

*In charge of general correspondence with prospective students.

FLOYD WARNICK ATKESON, B.S. (AGR.), *Professor of Dairy Husbandry, and Dairy Husbandman, Experiment Station*
B.S., (Agr.), University of Missouri. 1921.

HAROLD LUCIUS AXTELL, PH.D., *Professor of Classical Languages*
A.B., Kalamazoo College; A.B., A.M., Ph.D., University of Chicago. 1902.

BENJAMIN B. BAIN, Capt. Inf., U.S. Army, *Assistant Professor of Military Science and Tactics*
1922.

ERNEST JOY BALDWIN, M.S., *Assistant Professor of Chemistry*
B.S. (Chem.E.), M.S., University of Kansas. 1918.

EDWIN ORLO BANGS, B.A., *Professor of Music, and Director of the Music Curriculum*
B.A., Iowa State Teachers' College. 1918.

JOSEPH WESLEY BARTON, PH.D., *Professor of Psychology*
B.S., University of Utah; Ph.D., Peabody College. 1920.

JACOB ROY BENDER, M.S., *Assistant Professor of Mathematics*
A.B., Ohio University; M.S., University of Washington. 1921.

HANS ADOLF BENDIXEN, M.S. (Dairy), *Associate Professor of Dairy Manufacture and Assistant Dairy Husbandman, Experiment Station*
B.S. (Dairy), M.S. (Dairy), Iowa State College. 1920.

LOUISE SHAFF BLOMQUIST, B.A., *Assistant Dean of Women*
B.A., University of Washington. 1923.

WALTER BENO BOLLEN, PH.D., *Assistant Chemist, Experiment Station*
B.S., M.S., Oregon Agricultural College; Ph.D., Iowa State College. 1925.

CORNELIUS JAMES BROSNAN, M.A., *Associate Professor of American History*
A.B., University of Michigan; M.A., Harvard University. 1921.

†CURTIS WORTH CHENOWETH, M.A., *Associate Professor of Philosophy*
B.A., Wesleyan College of West Virginia; M.A., Harvard University. 1919.

EDWARD ROBERT CHRISMAN, Colonel, U.S. Army, *Professor of Military Science and Tactics and Commandant of Cadets*
Graduate, U. S. Military Academy. 1894.

FREDERIC CORSS CHURCH, PH.D., *Professor of European History*
A.B., Ph.D., Cornell University. 1921.

ISABEL WADSWORTH CLARK, *Assistant Professor of Music*
Graduate, New England Conservatory of Music. 1921.

LOIS CLARK, PH.D., *Assistant Professor of Botany*
A.B., M.A., University of Washington; Ph.D., University of Minnesota. 1923.

†On leave of absence.

- CARL CLAUS, *Assistant Professor of Music*
Graduate, Belgian Conservatory of Music. 1922.
- CLAUDE C. CRAWFORD, PH.D., *Professor of Secondary Education*
B.A., M.A., University of Texas; Ph.D., University of Chicago. 1923.
- IVAN CHARLES CRAWFORD, C.E., *Professor of Civil Engineering and Dean of the College of Engineering*
B.S. (C.E.), C.E., University of Colorado. 1923.
- JOHN HOUSTON CUSHMAN, M.A., *Associate Professor of English and Dramatics*
B.A., Brown University; M.A., Harvard University. 1919.
- THOMAS MATTHEW DAHM, A.M., *Assistant Professor of Physics*
A.B., A.M., Northwestern University. 1922.
- HARRISON CLIFFORD DALE, A.M., *Professor of Economics and Political Science and Director of the Business Curriculum*
A.B., A.M., Harvard University. 1920.
- ROBERT McNAIR DAVIS, J.D., *Professor of Law and Dean of the College of Law*
A.B., Harvard University; J.D., University of Chicago. 1923.
- JAY GLOVER ELDRIDGE, PH.D., *Professor of German, Head of Department of Modern Languages, and Dean of the University Faculty*
B.A., M.A., Ph.D., Yale University. 1901.
- DOROTHY GRACE ELLIS, M.A., *Associate Professor of Home Economics*
B.S.(H.Ec.), University of Idaho; M.A., Columbia University. 1924.
- PERMEAL JANE FRENCH, M.A., *Dean of Women*
M.A., University of Idaho; M.A., George Washington University. 1908.
- FLOYD WHITNEY GAIL, PH.D., *Professor of Botany*
B.A., M.A., University of Nebraska; Ph.D., University of Washington. 1913.
- HOWELL McLAIN GANO, B.S., M.E., *Professor of Mechanical Engineering*
B.S., M.E., Purdue University. 1923.
- WILLIAM MERRIOTT GIBBS, PH.D., *Professor of Bacteriology and Bacteriologist, Experiment Station*
B.S. (Agr.), University of Missouri; M.S., Ph.D., University of Wisconsin. 1919.
- JAMES JOHN GILL, LL.B., *Professor of Law*
LL.B., Kent College of Law. 1913.
- SILAS ADELBERT HARRIS, J.D., *Associate Professor of Law*
A.B., Simpson College; J.D., University of Chicago. 1924.
- CHARLES H. HART, JR., First Lieutenant, Infantry, D.O.L. U. S. Army,
Assistant Professor of Military Science and Tactics
Graduate, Infantry School of Arms. 1924.

CUTHBERT WRIGHT HICKMAN, B.S. (AGR.), *Professor of Animal Husbandry and Animal Husbandman, Experiment Station*
B.S. (Agr.), University of Missouri. 1914.

ARTHUR SYLVESTER HOWE, A.B., *Assistant Professor of Romance Languages*
A.B., College of William and Mary. 1922.

HAROLD WATKINS HULBERT, M.S. (AGR.), *Associate Professor of Agronomy and Associate Agronomist, Experiment Station; Acting Head of Department*
B.S., Michigan Agricultural College; M.S. (Agr.), Iowa State College. 1917.

CHARLES WILLIAM HUNGERFORD, PH.D., *Professor of Plant Pathology and Plant Pathologist, Experiment Station*
B.S., Upper Iowa University; M.S., Ph.D., University of Wisconsin. 1919.

EDWARD JOHN IDDINGS, M.S., *Dean of the College of Agriculture, Director of the Experiment Station, and Director of Extension*
B.S., (Agr.), M.S., Colorado Agricultural College. 1910.

FRANCIS JENKINS, *Proctor*
1905.

KATHERINE JENSEN, M.S., *Professor of Home Economics and Director of the Home Economics Curriculum*
B.S., North Dakota Agricultural College; M.S., University of Illinois. 1919.

ADA BURKETT JOHNSON, B.Sc., *Assistant Professor of Home Economics*
B.Sc., University of Nebraska. 1924.

J. HUGO JOHNSON, E.E., *Professor of Electrical Engineering*
B.A., E.E., University of Wisconsin. 1918.

THOMAS STONER KERR, LL.B., *Associate Professor of Economics and Sociology*
A.B., Indiana University; LL.B., University of Michigan. 1924.

VIRGIL RAYMOND D. KIRKHAM, M.S. (GEOL.), *Assistant Professor of Geology*
B.S., University of Washington; M.S. (Geol.), University of Idaho. 1920.

JOHN ANTON KOSTALEK, PH.D., *Professor of Organic Chemistry*
B.A., M.A., University of Wisconsin; Ph.D., University of Illinois. 1911.

FRANCIS BAKER LANEY, PH.D., *Professor of Geology*
B.S., Drury College; M.A., University of Wisconsin; Ph.D., Yale University. 1920.

ADAH LEWIS, M.S., *Associate Professor of Home Economics*
B.S., M.S., Kansas State College. 1923.

MORTIMER REED LEWIS, B.S. (MIN.E.), *Associate Professor of Agricultural Engineering and Irrigationist, Experiment Station; Acting Head of Department*
B.S. (Min.E.), University of Utah. 1922.

CLAUDIUS L. LLOYD, Capt. Infantry, U.S. Army, *Assistant Professor of Military Science and Tactics*
Graduate, Infantry School of Arms. 1921.

- LEWIS ELWARD LONGLEY, M.S., (AGR.), *Associate Professor of Horticulture, and Assistant Horticulturist, Experiment Station*
A.B., Coe College; M.S. (Agr.), Washington State College. 1918.
- ANDREW P. LUDBERG, C.E., *Associate Professor of Civil Engineering*
B.S. (C.E.), C.E., University of Wisconsin. 1921.
- GEORGE LEROY LUKE, M.A., *Assistant Professor of Physics*
B.A., Brigham Young University; M.A., University of Wisconsin. 1920.
- BERNICE MCCOY, M.S.(ED.), *Assistant Professor of Education*
B.S.(Ed.), M.S.(Ed.), University of Idaho. 1922.
- GUY RAYMOND MCDOLE, M.A., *Associate Professor of Agronomy and Soil Technologist, Experiment Station*
B.S., M.A., University of Nebraska. 1920.
- DAVID MACMILLAN, B.S.(ED.), *Assistant Physical Director*
B.S.(Ed.), University of Idaho. 1920.
- HARRY PETER MAGNUSON, M.S. (AGR.), *Assistant Soil Chemist, Experiment Station*
B.S. (Agr.), University of Nebraska; M.S. (Agr.), University of Idaho. 1920.
- EDWARD FILES MASON, B.LIT., *Director of Publication, Instructor in English, and Secretary of the Faculty*
A.B., Whitman College; B.Lit., Columbia University. 1919.
- ROBERT LEE MATHEWS, *Professor of Physical Education and Director of Athletics*
University of Washington; Notre Dame University. 1922.
- MAE MATHIEU, M.A., *Assistant Professor of Romance Languages*
B.A., M.A., University of Washington. 1919.
- JAMES FRANKLIN MESSENGER, PH.D., *Professor of Education and Dean of the School of Education*
A.B., University of Kansas; A.M., Harvard University; Ph.D., Columbia University. 1920.
- WILLIAM MICHAEL, A.B., *Assistant Professor of English and Public Speaking*
A.B., University of Illinois. 1923.
- FRANCIS GARNER MILLER, M.F., *Professor of Forestry and Dean of the School of Forestry*
Ph.B., University of Iowa; B.S.A., Iowa State College; M.F., Yale University Forest School. 1917.
- GEORGE MOREY MILLER, PH.D., *Professor of English*
A.B., University of Indiana; A.M., Harvard University; Ph.D., University of Heidelberg. 1917.
- RICHARD ANTHONY MUTTKOWSKI, PH.D., *Associate Professor of Vertebrate Zoology*
A.B., St. Lawrence College; B.A., Ph.D., University of Wisconsin. 1919.

- RAY E. NEIDIG, M.S., *Professor of Agricultural Chemistry and Chemist, Experiment Station*
B.S., M.S., Cornell College; Ph.C., University of Iowa. 1918.
- JULIUS EDWARD NORDBY, M.S. (AGR.), *Associate Professor of Animal Husbandry and Assistant Animal Husbandman, Experiment Station*
B.S. (Agr.), University of Idaho; M.S. (Agr.), University of Illinois. 1916.
- DAVID NYVALL, JR., *Assistant Professor of Music*
Northwestern Conservatory; American Conservatory. 1924.
- RAYMOND THURSTON PARKHURST, B.S., *Professor of Poultry Husbandry and Poultry Husbandman, Experiment Station*
B.S., Massachusetts Agricultural College. 1920.
- CHARLES CLARENCE PROUTY, M.S., *Assistant Bacteriologist, Experiment Station*
B.S., Oregon Agricultural College; M.S., Iowa State College. 1924.
- J. MILFORD RAEDER, M.S., *Assistant Plant Pathologist, Experiment Station*
B.S. (Agr.), M.S., Iowa State College. 1921.
- MARGARETE LOUISE SARGENT, M.A., *Professor of Romance Languages*
M.A., Columbia University. 1920.
- HENRY SCHMITZ, PH.D., *Professor of Forest Products*
B.S. (For.), M.S., University of Washington; Ph.D., Washington University. 1919.
- LYNN IRVINE SCHOONOVER, M.A., *Associate Professor of Business Administration*
Ph.B., M.A., University of Wisconsin. 1922.
- ROBERT SHIRLEY SNYDER, M.S. (AGR.), *Assistant Professor of Agricultural Chemistry, and Associate Chemist, Experiment Station*
B.S., Coe College; M.S. (Agr.), University of Idaho. 1919.
- PHILIP HENDRICK SOULEN, M.A., *Professor of School Administration*
A.B., M.A., Hope College. 1906.
- RANDALL STEWART, M.A., *Assistant Professor of English*
B.S., Vanderbilt University; M.A., Harvard University. 1923.
- MARY BELLE SWEET, B.L.S., *Librarian, and Instructor in Library Science*
B.L.S., University of Illinois. 1905.
- EUGENE TAYLOR, M.A., *Professor of Mathematics*
A.B., M.A., DePauw University. 1920.
- FRANCIS ANDREW THOMSON, D.Sc., *Professor of Mining and Metallurgy and Dean of the School of Mines*
E.M., M.S., D.Sc., Colorado School of Mines. 1917.
- HENRIETTA J. TROMANHAUSER, PH.D., *Associate Professor of Modern Languages*
B.A., University of Chicago; Ph.D., University of Heidelberg. 1920.

CLARENCE CORNELIUS VINCENT, M.S. (AGR.), *Professor of Horticulture and Horticulturist, Experiment Station*
B.S.A., M.S., Oregon Agricultural College; M.S. (Agr.), Cornell University. 1910.

CARL LEOPOLD VON ENDE, PH.D., *Professor of Chemistry and Head of Department of Chemistry*
B.S., M.S., University of Iowa; Ph.D., University of Goettingen. 1908.

CLAUDE WAKELAND, B.S. (AGR.), *Entomologist, Experiment Station and Extension Division*
B.S. (Agr.), Colorado Agricultural College. 1920.

CLARENCE WILFORD WATSON, M.F., *Assistant Professor of Silviculture*
Ph.B., Sheffield Scientific School; M.F., Yale University. 1921.

ALICE WALDEN WEAVER, *Assistant Professor of Music*
Graduate, University of Wisconsin School of Music. 1924.

RUDOLPH WEAVER, A.I.A., *University Architect and Professor of Architecture*
B.S. in Eng., Drexel Institute; American Institute of Architects. 1923.

FRED ERIE WHITEHEAD, M.S., *Associate Professor of Entomology and Entomologist, Extension Division*
B.A., Baker University; M.S., Kansas State Agricultural College. 1924.

LILLIAN JANETTE WIRT, B.A., *Assistant Professor of Physical Education*
B.A., University of Nebraska. 1923.

JERRY EDWARD WODSEDALEK, PH.D., *Professor of Zoology and Director of Pre-Medical and Graduate Study*
Ph.B., Ph.M., Ph.D., University of Wisconsin. 1913.

GRACE ZUDREELE, B.S., *Assistant Professor of Art and Design*
B.S., Teachers College Columbia University. 1922.

INSTRUCTORS AND ASSISTANTS IN INSTRUCTION

GEORGE CLARENCE ANDERSON, B.S. (AGR.), *Instructor in Dairy Husbandry*
B.S. (Agr.), Kansas State Agricultural College. 1922.

JUNE MARY ANDREWS, B.A., *Resident Nurse and Special Lecturer in Home Economics*
B.A., Pomona College. 1922.

MARGARET ARMSTRONG, *Instructor in Music*
Schultz School of Music; Rush Conservatory; Chicago School of Music. 1924.

*SARAH FRANCES BAILAR, A.B., *Graduate Assistant in Romance Languages*
A.B., University of Colorado. 1924.

HOBART BERESFORD, B.S. (AGR.ENGR.), *Instructor in Agricultural Engineering*
B.S. (Agr.Engr.), Iowa State College. 1924.

*Resigned.

- ADA EULALIA BURKE, B.A., *Graduate Fellow in English*
B.A., University of Idaho. 1924.
- JOHN THOMAS BURKE, B.S. (C.E.), *Graduate Assistant in Civil Engineering*
B.S. (C.E.), University of Idaho. 1923.
- LOUIS CLYDE CADY, B.S. (CHEM.E.), *Instructor in Chemistry*
B.S. (Chem.E.), University of Idaho. 1922.
- FRANK WIGGINS CANDEE, S.B., *Instructor in Mechanical Engineering*
S.B., Harvard University. 1920.
- DEAN SAMUEL CARDER, B.S. (MIN.E.), *Graduate Assistant in Geology*
B.S. (Min.E.), Oregon Agricultural College. 1924.
- IKE N. CARTER, *Assistant in Civil Engineering*
1923.
- *FRANK HAROLD COLLINS, B.S., *Assistant in Agricultural Chemistry*
B.S., Kansas State Agricultural College. 1923.
- WILLIAM HOMER CONE, B.S., *Graduate Assistant in Chemistry*
B.S., University of Idaho. 1924.
- *JESSE A. DEFANCE, B.S., *Graduate Fellow in Botany*
B.S., Colorado Agricultural College. 1924.
- DONALD DUDLEY DUSAULT, B.S., *Instructor in Chemistry*
B.S., University of Idaho. 1923.
- ERNEST WILLIAM ELLIS, B.S. (MIN.E.), *Instructor in Mining and Metallurgy*
B.S. (Min.E.), University of Idaho. 1923.
- CLYDE LEO FARRAR, B.S. (E.E.), *Instructor in Electrical Engineering*
B.S. (E.E.), University of Colorado. 1923.
- BARBARA GREENE GAMWELL, B.B.A., *Instructor in Economics*
B.B.A., University of Washington. 1922.
- MAUDE GARNETT, *Instructor in Public School Music*
Graduate, American Institute of Normal Methods. 1924.
- †GUSTAF WILLIAM HAMMAR, M.S., *Instructor in Physics*
B.S., M.S., University of Idaho. 1922.
- LOUISE HAMMAR, B.A., (Ed.), *Instructor in Modern Languages*
B.A. (Ed.), University of Washington. 1922.
- LEONARD HELLAND, B.S. (M.E.), *Mechanic in Physics Department*
B.S. (M.E.), University of Idaho. 1921.
- JOHN LESLIE HEMMERT, B.S. (C.E.), *Instructor in Civil Engineering and Assistant in Road Materials Laboratory*
B.S. (C.E.), University of Idaho. 1924.
- GEORGE ELMER HORTON, B.S. (E.E.), *Superintendent of Engineering Laboratories*
B.S. (E.E.), University of Idaho. 1923.

*Resigned.

†On leave.

ALBERT HENRY KNUDSON, B.S. (M.E.), *Graduate Manager of Student Activities*

B.S. (M.E.), University of Idaho. 1922.

HERBERT ELMER LATTIG, B.S. (AGR.), *Supervisor of Practice Teaching in Vocational Agriculture*

B.S. (Agr.), University of Idaho. 1922.

LESTER IRA LEGRID, B.S. (AGR.), *Graduate Fellow in Dairy Husbandry*
B.S.(Agr.), University of Wisconsin. 1924.

MARY GUNNELL LEWIS, M.A., *Graduate Assistant in Romance Languages*
A.B., Stanford University; M.A., University of Idaho. 1924.

CAMILLE MCDANIEL, M.A., *Instructor in English*
B.A., M.A., University of Idaho. 1921.

ELDORA ELLSWORTH McLAUGHLIN, B.A., *Graduate Assistant in Modern Languages*

B.A., Jamestown College. 1923.

J. STANTON McLAUGHLIN, A.M., *Instructor in English*
A.B., A.M., Oberlin College. 1921.

A. ALDEN MARDEN, *Instructor in Shop Practice*
1916.

EUGENE NAGELE, Sgt. Infantry, U.S. Army, *Assistant in Military Science and Tactics*
1919.

HARRY IRA NETTLETON, B.S.F., *Instructor in Forestry*
B.S.F., Oregon Agricultural College. 1923.

BERNT NIELSEN, *Instructor in Cornet Playing, Leader of the Cadet Military Band*
Graduate of Army Music School, Trondhjem, Norway. 1918.

VERA AMY NORTON, B.S. (ED.), *Graduate Fellow in Zoology*
B.S. (Ed.), University of Idaho. 1924.

ORSINO RANCHEZ PIZARRO, *Assistant in Bacteriological Laboratory*
1924.

DELFIN A. RAYNALDO, B.S. (ED.), *Instructor in Romance Languages*
B.S. (Ed.), University of Idaho. 1921.

JOHN DAVID REMSBERG, JR., B.S. (AGR.), *Graduate Assistant in Agronomy*
B.S. (Agr.), University of Idaho. 1924.

FLORENCE LETITIA RICHARDSON, B.A., *Instructor in Physical Education*
B.A., University of Idaho. 1923.

LAWRENCE SANDUSKY, M.A., *Instructor in English*
A.B., M.A., University of Washington. 1924.

CHARLOTTE CRANDALL SEELY, A.B., *Graduate Fellow in English*
A.B., Smith College. 1924.

ALTHEA MORGAN SHELDON, M.A., *Instructor in English*
A.B., University of Washington; M.A., Stanford University. 1923.

- WILLIAM SPENCER STONE, B.S. (PRE-MED.), *Graduate Fellow in Zoology*
B.S. (Pre-Med.), University of Idaho. 1924.
- BRANARD L. TAYLOR, D.V.M., *Instructor in Veterinary Science*
D.V.M., Kansas State Agricultural College. 1920.
- †LEON B. TAYLOR, B.S. (AGR.), *Field Instructor in Agriculture*
B.S. (Agr.), University of Idaho. 1923.
- JESSIE BEATRICE THORNBEE, B.S., *Supervisor of Practice Teaching in*
Home Economics
B.S., South Dakota State College. 1923.
- ALICE M. JOHNSON WATSON, A.M., *Graduate Assistant in Botany*
A.B., A.M., Columbia University. 1922.
- CLINTON FISK WELLS, A.M., *Instructor in Economics*
A.B., A.M., Stanford University. 1924.
- THOMAS WEST, *Assistant in Mathematics and Physics*
1924.
- WILLARD JOSEPH WILDE, M.S., *Instructor in Accounting*
B.S., University of Utah; M.S., University of California. 1924.
- LONIE WOODS, Sgt. U.S. Army, *Assistant in Military Science and Tactics*
1921.

SUPERINTENDENTS OF EXPERIMENT SUBSTATIONS

- A. E. McClymonds, B.S. (AGR.), Aberdeen.
B.S. (Agr.), Kansas State Agricultural College. 1921.
- D. A. STUBBLEFIELD, Caldwell
1920.
- WILLIAM ALFRED MOSS, B.S. (AGR.), Felt
B.S. (Agr.), Kansas State Agricultural College. 1918.
- JOHN HENRY CHRIST, M.S. (AGR.), Sandpoint
B.S. (Agr.), University of Idaho; M.S., Iowa State College. 1921.

OFFICERS OF EXTENSION DIVISION (Agriculture and Home Economics)

- EDWARD JOHN IDDINGS, M.S., *Dean of the College of Agriculture and*
Director of Extension Division
- GRACE L. BENNETT, *Executive Secretary to the Dean of the College of*
Agriculture
1920.

†In cooperation with the U. S. Veterans' Bureau.

Field Staff

- CHARLES BOONE AHLSON, B.S. (AGR.), *Field Agronomist and State Seed Commissioner* State House, Boise
B.S. (Agr.), Oregon Agricultural College. 1919.
- JESSIE C. AYRES, A.B., *State Seed Analyst* State House, Boise
A.B., University of Washington. 1919.
- EDMUND ROSWELL BENNETT, M.H., *Field Horticulturist* State House, Boise
B.S., M.H., Michigan Agricultural College. 1916.
- WINNEY ELMER CROUCH, B.S. (AGR.), *Rodent Control Leader* State House, Boise
B.S. (Agr.), North Dakota Agricultural College. 1916.
- DAVID LESLIE FOURT, B.S. (AGR.), *Field Dairyman* State House, Boise
B.S. (Agr.), University of Idaho. 1922.
- MARION M. HEPWORTH, B.S. (H.EC.), *State Home Demonstration Leader, and Nutrition Specialist* State House, Boise
B.S. (H.Ec.), Kansas State College. 1924.
- ALBERT WEIDEL BUCH KJOSNESS, B.S. (AGR.), *County Agent Leader* State House, Boise
B.A., Spokane College; B.S. (Agr.), University of Idaho. 1918.
- PREN MOORE, *Poultry Specialist* State House, Boise
1919.
- JOHN HENRY REARDEN, B.S., *Assistant County Agent Leader* State House, Boise
B.S., Oregon Agricultural College. 1920.
- EDITH RHYNE, B.S., *State Clothing Specialist* State House, Boise
B.S., College of Industrial Arts of Texas. 1924.
- EDWARD FRANKLIN RINEHART, B.S. (AGR.), *Field Animal Husbandman* State House, Boise
B.S. (Agr.), Ohio State University. 1918.
- RAYMOND LESLIE SPANGLER, B.S. (AGR.), *Assistant Field Agronomist* State House, Boise
B.S. (Agr.), University of Idaho. 1921.
- CLAUDE WAKELAND, B.S. (AGR.), *Field Entomologist and Entomologist, Experiment Station* State House, Boise
B.S. (Agr.), Colorado Agricultural College. 1920.
- FRED ERIE WHITEHEAD, M.S., *Extension Entomologist and Associate Professor of Entomology* State House, Boise
B.A., Baker University; M.S., Kansas State Agricultural College. 1924.

County Agents

ROY E. ALEXANDER, B.S. (AGR.), *County Agricultural Agent, Boundary County*
Bonners Ferry
B.S. (Agr.), Kansas State Agricultural College. 1918.

JAMES WARREN BARBER, B.S., *County Agricultural Agent, Cassia County*
Burley
B.S., University of Idaho. 1921.

ROLAND ELMER BROSSARD, B.S., *County Agricultural Agent, Twin Falls County*
Twin Falls
B.S., Utah Agricultural College. 1921.

*O. S. FLETCHER, B.S. (AGR.), *County Agricultural Agent, Latah County*
Moscow
B.S. (Agr.), Washington State College. 1918.

ROBERT NEIL IRVING, B.S. (AGR.), *County Agricultural Agent, Kootenai County*
Coeur d'Alene
B.S. (Agr.), B.S. (Ed.), University of Idaho. 1922.

*PETER MARTIN JESNESS, *County Agricultural Agent, Camas County*
Fairfield
1918.

CHASE KEARL, B.S. (AGR.), *County Agricultural Agent, Bear Lake County*
Paris
B.S. (Agr.), Utah Agricultural College. 1921.

T. J. KLINGLER, B.S., *County Agricultural Agent, Blaine County* Hailey
B.S., Ohio Northern University. 1919.

O. E. McCONNELL, B.S. (AGR.), *County Agricultural Agent, Gooding County*
Gooding
B.S. (Agr.), University of Missouri. 1921.

MORREL A. POWELL, B.S., *County Agricultural Agent, Franklin County*
Preston
B.S., Utah Agricultural College. 1920.

CLYDE RANDALL RICHARDS, B.S. (AGR.), *County Agricultural Agent, Teton County*
Driggs
B.S. (Agr.), University of Idaho. 1924.

RAYMOND JAMES SMITH, B.S. (AGR.), *County Agricultural Agent, Oncida County*
Malad
B.S. (Agr.), Utah Agricultural College. 1918.

WALTER FRANCIS THOMAS, B.S. (AGR.), *County Agricultural Agent, Bingham County*
Blackfoot
B.S. (Agr.), University of Idaho. 1921.

JOSEPH WILLIAM THOMETZ, *County Agricultural Agent, Bannock County*
McCammon
1921.

*Resigned.

LUCIUS EDWIN TILLOTSON, B.S. (AGR.), *County Agricultural Agent, Power County* American Falls
B.S. (Agr.), University of Minnesota. 1920.

FRED L. WILLIAMS, *County Agricultural Agent, Gem County* Emmett
1915.

HARRY S. WILSON, *County Agricultural Agent, Caribou County*
Soda Springs
1922.

Home Demonstration Agents

MILDRED LOUISE ANTHES, B.S., *County Home Demonstration Agent, Bannock County* Pocatello
B.S., University of Idaho. 1923.

CLARA E. COWGILL, B.S., *District Home Demonstration Agent for the Northern District* Moscow
B.S., Oregon Agricultural College. 1922.

MYRTLE DAVIDSON, B.S., *District Home Demonstration Agent for the Southeastern District* Pocatello
B.S., Utah Agricultural College. 1919.

VERNA R. JOHANNESSEN, B.S. (H.Ec.), *District Home Demonstration Agent* Boise
B.S. (H.Ec.), University of Idaho. 1919.

ESTHER V. KAHLE, B.A., *District Home Demonstration Agent* Rupert
B.A., University of California. 1924.

Club Agents

WILL R. BOLEN, B.S., *District Club Agent* Gooding
B.S., Kansas State Agricultural College. 1924.

RONALD EDWARD EVERLY, B.S. (AGR.), *District Club Agent* Moscow
B.S. (Agr.), University of Idaho. 1924.

†DAVID PARKER MURRAY, B.S. (AGR.), *District Club Agent* Pocatello
B.S. (Agr.), Utah Agricultural College. 1917.

LEON B. TAYLOR, B.S. (AGR.), *County Club Agent, Bannock County*
Pocatello
B.S. (Agr.), University of Idaho. 1923.

RESEARCH STAFF*

Idaho Bureau of Mines and Geology

A. W. FAHRENWALD, MET.E., *Ore Dressing Engineer*
B.S. (Met.), Met.E., South Dakota School of Mines; Engineer of Mines,
New Mexico School of Mines. 1919.

*These are not members of the University Faculty. Faculty members also participate in Bureau research. Relationship of the Bureau to the University is explained on page 11.

†Resigned.

ARTHUR MAINE PIPER, M.S. (MET.), *Geologist*
B.S., (Chem.E.), Tufts College; M.S. (Met.), University of Idaho. 1920.

GEORGE VICTOR LARSEN, B.S. (MIN.E.), *Analyst*
B.S. (Min.E.), University of Idaho. 1924.

JOHN CARL LOKKEN, B.S. (MIN.), *Fellow in Metallurgy*
B.S. (Min.), University of North Dakota. 1924.

AARON BAGDAR BAGDASARIAN, B.S. (MIN.E.), *Fellow in Metallurgy*
B.S. (Min.E.), University of California. (1924.

LIBRARY ASSISTANTS

PEARL LILLIAN DOYLE, B.A., *Loan Desk Assistant*
B.A., University of Idaho. 1923.

HELEN YALE HOUGH, B.S., *Reference Assistant*
B.S., Simmons College. 1923.

CARRIE MAUDE JONES, B.S., *Cataloger*
B.S., Simmons College. 1922.

MARION ALICE TAFT, B.S. (L.S.), *Periodical Assistant*
B.S. (L.S.), University of Washington. 1925.

ASSISTANTS IN ADMINISTRATION

FLORENCE ARMBRUSTER, *Stenographer*
Office of the Bursar

AMALIE BARING, *Cashier*
Office of the Bursar

GRACE L. BENNETT, *Executive Secretary to the Dean of Agriculture*

F. LEO BURKART, *Field Superintendent in Agronomy*

HARRIETT CLARK, *House Mother*
Ridenbaugh Hall

ORVAL GARRISON, B.A., *Accountant*
Office of the Bursar
B.A., University of Idaho.

RHODA HOBSON, *Head of the Stenographic Office*
Administration Building

EMALINE MAYS, *Secretary to the President*

GEORGE OLIVER, A.B., *Secretary of Religious Work*
A.B., Willamette University.

JULIA O'NEILL, *Stewardess*
Lindley Hall

MARGARET OSTROOT, *Clerk*
Office of the Registrar

FEROL RICHARDSON, *Clerk*
Office of the Registrar

VIOLA RICHARDSON, *Manager of Forney Hall*

FLORENCE SAMPSON, *Stenographer*
Office of the Bursar

OLIVE SWANSON, *Stenographer*
Office of the Dean of the School of Mines

HELEN TAYLOR, *Stenographer*
Morrill Hall

LUCIE THROCKMORTON, *Stenographer*
Morrill Hall

KATHERINE WITTER, *Clerk*
Office of the Registrar

STUDENT ASSISTANTS IN INSTRUCTION, 1924-1925

HERMA GENEVA ALBERTSON, *Botany*

PAUL SHIRVINGTON BALLIF, *Mechanical Engineering*

JESS E. BUCHANAN, *Engineering Drawing*

MARION FEATHERSTONE, *Art Structure*

BERTHA LOUISE GLINDEMANN, *Business*

FRED T. HANNAFORD, *Architecture*

RUTH HAWKINS, *English*

FRANK KINNISON, *Physical Education*

MORRIS WILLIAM KLINE, *Physical Education*

LOUISA MARTIN, *English*

PAULINE HOWARD MITCHELL, *English*

NORMA YOUNT PIPER, *Latin*

CARTER LEE PITCHER, *Zoology*

KATHLEEN POVEY, *Spanish*

PHILIP CLARENCE SAMMS, *Electrical Engineering*

GERTRUDE LUCILLE SHEPARD, *Business*

BEULAH BEA SCHUMACHER, *Business*

EUGENE SERGEI SEREBRENNIKOV, *Russian*

IVAN STEPHEN SOKOLNIKOFF, *Mathematics*

RALPH STEPHEN SPACE, *Forestry*

BERT STONE *Botany*

ALBERTO VASQUEZ, *Spanish*

NELS EMIL WERNER, *Engineering Drawing*

STANDING COMMITTEES OF THE FACULTY

Advisory to the President:

Deans Eldridge, Angell, Iddings, Crawford, Davis, Thomson, Miller, Messenger, French, Colonel Chrisman, Proctor Jenkins.

Admissions and Secondary Schools:

Professor Hulbert, Chairman; Professors Armstrong, C. C. Crawford, Kerr, Soulen, E. Taylor, Miss Olesen.

Advanced Credit:

Professor Axtell, Chairman; Dean Messenger, Professors Gail, Johnson, and Sargent.

Athletics:

Dean Angell, Chairman; Dean Crawford, Professors Mathews, Mac-Millan, Neidig.

Auditorium:

Professor Bangs, Chairman; Professors Cushman and Michael.

Calendar:

Professor Parkhurst, Chairman; Deans French and Thomson; Professor Bangs, Mrs. Blomquist.

Curriculum:

Dean Eldridge, Chairman; Deans Angell, Iddings, Crawford, Davis, Thomson, Miller, Messenger; Professors Jensen, Wodsedalek, Dale, Bangs; Colonel Chrisman.

Dining Halls:

Mr. Parsons, Chairman; Dean French; Proctor Jenkins.

Discipline:

Professor Gill, Chairman; Professors Dahm, Kirkham, Kostalek, Neidig.

Employment:

Proctor Jenkins, Chairman; Dean French; Mr. Oliver.

Exhibits:

Professor Laney, Chairman; Dean Miller; Professors Gano, Hickman, Jensen, M. R. Lewis, Snyder, Zudreele.

Forensics:

Dean Davis, Chairman; Professors Dale, Gill, G. M. Miller.

Grounds and Buildings:

Mr. Parsons, Chairman; Dean Miller; Professors Vincent, von Ende, Weaver, Mr. E. R. Bennett.

Graduate Instruction:

Professor Wodsedalek, Chairman; Deans Messenger and Thomson; Professors Dale, Hungerford, G. M. Miller, Schmitz, Miss Olesen.

Health and Housing:

Professor Gibbs, Chairman; Dean French; Professors Mathews, MacMillan, Mathieu, Wirt, Wodsedalek, Miss Andrews.

Library:

Miss Sweet, Chairman; Professors Church, Harris, Muttkowski, Nordby, Stewart.

Loan Funds:

Mr. Stanton, Chairman; Mr. Parsons, Professor Tromanhauser.

Publications:

Mr. Mason, Chairman; Professors Axtell, McDole, Schoonover.

Public Events:

Dean Thomson, Chairman; Deans Davis and Iddings; Professors Atkeson, Bangs, Jensen, G. M. Miller.

Recommendations for Positions:

Dean Messenger, Chairman; Professors Armstrong, Brosnan, Jensen, Sargent, von Ende.

Religious Interests:

Dean Davis, Chairman; Professors Gill, Johnson, Longley; Mr. Oliver.

Schedule:

Miss Olesen, Chairman; Dean Angell, Professors Ludberg, E. Taylor, Vincent.

Scholarship:

Dean Eldridge, Chairman; Deans Angell, Iddings, Crawford, Davis, Thomson, F. G. Miller, Messenger, French; Professors Jensen, Wodsedalek, Dale, Bangs, Miss Olesen.

Student Organizations:

Colonel Chrisman, Chairman; faculty advisers of fraternities and sororities.

Survey:

Professor Dale, Chairman; Professors Atkeson, Barton, Gano, Miss Olesen.

PART VI
ALUMNI ORGANIZATION
DEGREES CONFERRED
HONOR LIST
REGIMENTAL ORGANIZATION

THE ALUMNI ASSOCIATION

OFFICERS

President	Virgil W. Samms, '14, Boise
First Vice-President	E. G. Van Hoesen, '21, Mesa
Second Vice-President	Verna R. Johannesen, '18, Boise
Third Vice-President	R. R. Richmond, M.S., '22, Lapwai
Secretary-Treasurer	George E. Horton, '06, Moscow

COMMITTEES

ATHLETICS: C. H. Hudelson, '17, Boise, chairman; Isaac E. McDougall, '15, Pocatello; George Donart, '13, Weiser; E. E. Ostrander, '23, Twin Falls; R. N. Irving, '21, Coeur d'Alene.

MEMORIAL: A. W. B. Kjosness, '13, Boise, chairman; Lee Bennett, ex-'13, Sandpoint; John M. Booth, '17, Nez Perce; Clyde J. Chaffins, '10, Coeur d'Alene; Dr. E. J. Coram, '15, Grangeville; Dr. D. E. Cornwall, '03, St. Maries; E. W. Ellis, '12, Moscow; Arthur W. Ensign, ex-'07, Hailey; James H. Harris, '12, Weiser; Aden L. Hyde, '18, Caldwell; Jo G. Martin, ex-'09, Arco; Mrs. A. J. Peavey, '03, Twin Falls; Paul T. Peterson, '15, Idaho Falls; G. W. Phillips, ex-'13, Lewiston; A. J. Priest, '18, Boise; A. P. Ramstedt, '97, Wallace; Howard V. Scheffel, ex-'17, Rupert; George A. Snow, '01, Salmon; J. W. Thometz, ex-'12, Pocatello; E. G. Van Hoesen, '21, Mesa.

ALUMNI COUNCIL: Justice William E. Lee, '03, Boise, chairman; George E. Horton, '06, Moscow; J. W. Barber, '20, Burley; J. W. Thometz, ex-'12, Pocatello; Robert D. Leeper, '13, Lewiston; Lewis A. Thomas, '21, Malad; Harry B. Soulen, '14, Jerome; James W. Gwinn, '11, Hailey; Alvin Denman, ex-'19, Idaho Falls; R. R. Richmond, M.S., '22, Lapwai; Dr. J. R. Numbers, Jr., ex-'16, Meridian; E. G. Van Hoesen, '21, Mesa; Robert W. Beckwith, '20, Mountain Home; Howard W. Staples, '20, Murray; Ralph R. Breshears, '21, Nampa; Dr. C. C. Darrah, Emmett; John M. Booth, '17, Nez Perce; Ray Agee, '20, Oakley.

DEGREES CONFERRED IN JUNE, 1924

Commencement Address

JAMES ALEXANDER MACLEAN, PH.D., LL.D.
Chancellor of the University of Manitoba

BACCALAUREATE DEGREES**College of Letters and Science****BACHELOR OF ARTS**

Frances Ethel Mathilda Anderson	Mary Luella Kirkendall
Florence Marie Armbruster	Lillian Lydia Lange
Myra Armbruster	Dora Inez Laswell
Gussie Barnhart	Margaret Mabel Macey
Elizabeth Bartlett	Homer Earl Martin
Dorothy Dean Cline	Harry Albert Mullikin
Joseph Patrick Cogan	Mary Christina Penwell
Elise Florence Connor	Vanford Roberts Peterson
John Heywood Constable	Herbert Leland Powell
Jewell Clara Coon	Vaughan Emerson Prater
Joseph Alfred Curtis	Louis Philip Remsberg
George Morley Dean	Lynn Murray Rogers
Irene Durham	Fairy Marie Victoria Sanger
Alice Jean Frazier	Alberta Martha Sheldon
Ernest Kidder Fuller	Francis Calvin Sheneberger
Marie Millick Gamwell	Mabel Pearl Stalker
Mary Way Gettys	Georgianne Wade Suppiger
Edwin John Gowanlock	Michael Joseph Tierney
Florence Woodman Graves	Ruby Jane Tuttle
Walser Sly Greathouse	Mary Isabell Vassar
Nellie Virginia Green	Grace Josephine Walker
Lee Bryan Gregory	Madeleine Frances Wall
Talbot Lanham Jennings	Olive Beryl Wright
Francis Cameron King	Arthur Felmley Yaggy
	Harold Charles York

BACHELOR OF SCIENCE

John Raymond Burbidge	Lillian Hazel Hardman
Charles Ernest Cone	Grace Beatrice Jacobson
William Homer Cone	Ernst Kurath
Agnes Mae Cox	William Wotherspoon Scott, Jr.
John Sherwood Gill	Thomas Norwood Sickels

BACHELOR OF SCIENCE IN HOME ECONOMICS

Rachel Smith Gamby	Annie Mabel Morse
Velma Ellen Hamilton	Margaret June Munro
Glatha Doris Hatfield	Helen Elizabeth Ramsey
Muriel V. Tuttle	

BACHELOR OF SCIENCE IN PRE-MEDICAL STUDIES

Muriel Lancaster Carson	Charles August Preuss
Dwight Moody Kuhns	William Spencer Stone

BACHELOR OF SCIENCE IN BUSINESS

Port Arthur	Stanley Carl Johnson
Walter Chase Casebolt	William Howard Pelan
George William Gahan	Earl Ludwig Wardrop
Mary Louise Huston	Elmer Earl Wyland

BACHELOR OF MUSIC
Elizabeth Irene Starrh

College of Agriculture

BACHELOR OF SCIENCE IN AGRICULTURE

Clare Francis Bain	Dale McCoy
Ralph Scott Bristol	Joseph Henry Payne
Ronald Edward Everly	Francis Iver Peterson
Tranquilino Ganzon Fajardo	John David Remsberg, Jr.
Calixto Gragasini	Clyde Randall Richards
Maurice Blanchard Jackson	John Rolland Robertson
Ernest Caleb Jensen	Elwin Herman Scheyer
Thomas Byron Keith	William Fred Schmid
Amand Joseph Kern	Harold Richmond Telford
Buford Elmer Kuhns	Walter Francis Thomas
Albert Peter Larsen	John Leonard Toevs
Johnny Oliver Loseth	Paul Edwin Wickward
Harry Alexander Messinger	Lorne Norman Wilson

College of Engineering

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Charles Griffin Anderson	Kriss Pete Crowther
Fred Nelson Crandall	John Leslie Hemmert
Walter Thomas Wisdom	

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

George Vern Curtis	Percy Merritt Styner
Lewis Henry Russell	Jack Lieuallen Woodworth

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Lucas Jalandoni Guirnela	Roscoe Leroy Space
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BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Louis Alex Boas

College of Law

BACHELOR OF LAWS

Merle Leroy Drake	Abe Goff
William Sherman Fowler	Arthur Somers Guerin, Jr.

Joel Lambert Priest, Jr. Lewis LaVake Prout
Glenn Roy Wilkison

School of Mines

BACHELOR OF SCIENCE IN MINING ENGINEERING

Stanley William McDougall

BACHELOR OF SCIENCE IN GEOLOGY

Harold Leslie Simon

BACHELOR OF SCIENCE IN METALLURGY

George Victor Larsen

School of Forestry

BACHELOR OF SCIENCE IN FORESTRY

Herman Baumann Cecil C. Ryan
Russell McCormack Parsons Rodgers Gainey Wheaton

School of Education

BACHELOR OF SCIENCE IN EDUCATION

Wesley Austell Barton	Mary Elizabeth King
Margaret Ellen Blackinger	Fontella Langlois
Edith Alice Brebner	Hazel Marguerite Langroise
Charlotte Dorothy Broadwater	David MacMillan
James Allen Brown	Ida Edith Mathews
Fred Lee Buchanan	Grace Morgan
Lenus LeRoy Carlson	Manford Eugene Mushlitz
Charles Asa Chandler	James Harman Neal
Paul Kingsbury Church	Bertha Noel
Hartzell Cobbs	Vera Amy Norton
Margaret Collins	Pauline Elizabeth Pence
Ruby Lois Gates	Clinton Allen Perkins
George Franklin Gorow	Leo Gordon Provost
Jessie Roberta Grigson	Dilbert Odelle Roise
Helen Ruth Holl	Alfred Segsworth
Lindol Dyema Jacks	Sylvia Theresa Smitham
Clarke Waterman Jenkins	Opal Miriam Sumner
Tennie Johanson	Dale John Vohs
Agnes Rita Kendrick	Gertrude Elizabeth Lee Walter
Vivion Hadley Kimbrough	Lydia Emma Winkler

ADVANCED DEGREES

MASTER OF ARTS

Mary Gunnell Lewis, A.B. Carl Frederick Pearson, B.A.
Lydia Emma Winkler, B.S.(Ed.)

MASTER OF SCIENCE

Gustaf William Hammar, B.S. Richard Philip Howard, B.S.

MASTER OF SCIENCE IN AGRICULTURE

Naomi Chapman, B.S.(Agr.) Tranquilino Ganzon Fajardo, B.S.(Agr.)
Jesse Isaac Keith, B.S.(Agr.) Robert Shirley Snyder, B.S.

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Philip Alexander Robertson, B.S.(M.E.)

MASTER OF SCIENCE IN METALLURGY

John Elmer Sandback, B.S.(Min.E.) Philip John Shenon, B.S.
George Smolak, B.S.(Min.E.)

MASTER OF SCIENCE IN EDUCATION

Margaret Ely Byrns, B.A. Robert Benjiman Leitch, B.S (Ed.)
Ethel Emily Redfield, B.A.

HONORARY DEGREES

DOCTOR OF LAWS

Prince Gelasio Caetani, LL.D.
James Alexander MacLean, LL.D.

COMMISSIONS AND CERTIFICATES

COMMISSIONED AS SECOND LIEUTENANTS

Officers' Reserve Corps, United States Army

Harrison Roza Armstrong	Joseph Patrick Anthony Cogan	Lynn Murray Rogers
Earl Francis Bradfield	George Morley Dean	Michael Joseph Tierney
Lauren Elbert Breneman	Elgy Orville DeChambeau	Earl Ludwig Wardrop
	William Sherman Fowler	Eugene Crampton Zachman

STATE HIGH SCHOOL TEACHERS' CERTIFICATES

Ethel Mathilda Anderson	Ruby Gates	Dora Inez Laswell
Myra Armbruster	Mary Way Gettys	Ida Edith Mathews
Gussie Barnhart	George F. Gorow	Grace Morgan
Wesley Austell Barton	Florence Woodman Graves	Manford Eugene Mushlitz
Margaret Blackinger	Nellie Virginia Green	James Harman Neal
Edith Brebner	Jessie Roberta Grigson	Bertha Noel
Ralph Scott Bristol	Lillian Hardman	Pauline Elizabeth Pence
Charlotte Broadwater	Helen Ruth Holl	Francis Iver Peterson
James Allen Brown	Lindol Dyema Jacks	Vaughan Prater
Fred Lee Buchanan	Grace Beatrice Jacobson	Leo Gordon Provost
John Ray Burbidge	Clarke W. Jenkins	Dilbert Roise
Lenus Leroy Carlson	Ernest Caleb Jensen	Fairy Sanger
Charles Asa Chandler	Tennie Johanson	Alfred Segsworth
Paul Kingsbury Church	Agnes Rita Kendrick	Alberta Martha Sheldon
Hartzell Cobbs	Vivion Kimbrough	Sylvia Smitham
Joseph Patrick Cogan	Mary Elizabeth King	Opal Miriam Sumner
Margaret Collins	Frank Donald Kinnison	Michael Joseph Tierney
Elise Florence Connor	Luella Kirkendall	Ruby Jane Tuttle
Jewell Clara Coon	Dwight Moody Kuhns	Mary Isabell Vassar
Pearl Doyle	Fontella Langlois	Dale Vohs
Irene Durham	Hazel Marguerite Langroise	Gertrude Elizabeth Walter
		Olive Beryl Wright

SHORT-COURSE CERTIFICATES

<i>Three-Year Certificate in Agriculture</i>	Harold A. Steele Albert D. Wilson	Phill Edwin Murray Wilbur A. Nelson Hjalmer Olson Harvey Snook Alfred Underdahl Dee Young
<i>Two-Year Certificates</i>	<i>Commercial Dairying</i> Joe R. Helterline Robert Jacobi	
Howard G. Cutler		
Calvin Sylvester Pease		

FINAL HONOR LIST, CLASS OF 1924

For the condition upon which honors are awarded, see page 28.

Names are arranged in alphabetical order in each group. Only students carrying at least twelve credits each semester are eligible for the Honor List.

HIGHEST HONORS

Wesley Austell Barton, B.S. (Ed.), *Moscow*
Jewell Clara Coon, B.A., *Boise*
Albert Peter Larsen, B.S. (Agr.), *Montpelier*
Grace Morgan, B.S. (Ed.), *Boise*
Vaughan Emerson Prater, B.A., *Boise*
John Rolland Robertson, B.S. (Agr.), *Firth*
Mabel Pearl Stalker, B.A., *Boise*
Georgianne Wade Suppiger, B.A., *Moscow*
Grace Josephine Walker, B.A., *Wallace*

HIGH HONORS

Florence Marie Armbruster, B.A., *Moscow*
Elizabeth Bartlett, B.A., *Boise*
Herman Baumann, B.S. (For.), *Milwaukee, Wis.*
Walter Chase Casebolt, B.S. (Bus.), *Genesee*
Muriel Lancaster Carson, B.S. (Pre-Med.), *Moscow*
Charles Ernest Cone, B.S., *Parma*
Elise Florence Connor, B.A., *Boise*
Agnes Mae Cox, B.S., *Kendrick*
Fred Nelson Crandall, B.S. (C.E.), *Salmon*
Joseph Alfred Curtis, B.A., *Boise*
Alice Jean Frazier, B.A., *Pocatello*
George William Gahan, B.S. (Bus.), *Boise*
Florence Woodman Graves, B.A., *Sandpoint*
Velma Ellen Hamilton, B.S. (H.Ec.), *Kamiah*
Lillian Hazel Hardman, B.S. *Kansas City, Kan.*
Helen Ruth Holl, B.S. (Ed.), *Willow City, N. D.*
Clarke Waterman Jenkins, B.S. (Ed.), *Kellogg*
Talbot Lanham Jennings, B.A., *Nampa*
Tennie Johanson, B.S. (Ed.), *Ellensburg, Wash.*

Agnes Rita Kendrick, B.S. (Ed.), *Mullan*
 Mary Luella Kirkendall, B.A., *Payette*
 Dora Inez Laswell, B.A., *Cottage Grove, Ore.*
 Dale McCoy, B.S. (Agr.), *Boise*
 Manford Eugene Mushlitz, B.S. (Ed.), *Troy*
 Bertha Noel, B.S. (Ed.), *Twin Falls*
 Joseph Henry Payne, B.S. (Agr.), *Idaho Falls*
 Charles August Preuss, B.S. (Pre-Med.), *Tacoma, Wash.*
 Sylvia Theresa Smitham, B.S. (Ed.), *Rigby*
 Roscoe Leroy Space, B.S. (M.E.), *Weippe*
 Elizabeth Irene Starrh, B.M., *Boise*
 John Leonard Toews, B.S. (Agr.), *Aberdeen*
 Muriel V. Tuttle, B.S. (H.Ec.), *Moscow*
 Gertrude Elizabeth Lee Walter, B.S. (Ed.), *Filer*
 Lydia Emma Winkler, B.S. (Ed.), *Blackfoot*

REGIMENTAL ORGANIZATION

COMMANDANT

Colonel EDWARD R. CHRISMAN, Infantry, U. S. Army

Assistants: Captain CLAUDIUS L. LLOYD, Infantry, D.O.L.; Captain BENJAMIN B. BAIN, Infantry, D.O.L.; First Lieutenant CHARLES H. HART, Jr., Infantry, D.O.L.; Staff Sergeants EUGENE NAGELE and LONIE WOODS, Detached Enlisted Men's List, U. S. Army.

CADET COMMISSIONED STAFF

FRANK A. MINAS, *Cadet Colonel, Commanding Regiment*
 FRANK N. WILLIAMSON, *Cadet Lieutenant Colonel, Executive Officer*
 DONALD E. DICK, *Cadet Captain, Adjutant*

BAND

BERNT NIELSEN, *Band Master and Instructor*

Al. Marineau, *Cadet Leader, Warrant Officer*; Charles R. Moll, *Assistant Cadet Leader*; Adolph Emskamp, *Drum Major*; Ross Woods, Fred Moll, *Band Sergeants*; Roland Swanson, George Benson, R. J. Weller, Walter W. Kayser, *Band Corporals*; Clair Killoran, Eugene Beebe, B. L. Wilkinson, Scoville Jenkins, Glen Hopkins, Lloyd Bertrand, Lowell L. Howe, K. E. Klason, M. Hardwick, Donald Cleaver, Harley Wilcox, G. G. Havens, L. R. Reed, D. W. Aungst, F. G. Eldridge, L. Schmitz, *Musicians First Class*; A. K. Lindsay, C. A. Coons, L. E. Oliver, G. Johnson, F. Homar, R. H. Yost, C. L. Brown, R. H. Taylor, H. V. Morrow, H. Hattrup, W. Brooks, L. DeLane, G. H. Hewitt, C. E. Fox, B. Merrill, W. J. Moran, K. J. Smith, *Musicians Second Class*; C. Stout, F. Cromwell, M. D. Lathrop, W. L. Anderson, H. Briscoe, R. Tuininga, T. Moore, C. Holmes, K. Jones, *Musicians Third Class*.

First Battalion

Cadet Commissioned Staff

David R. Shoults, *Cadet Major, Commanding Battalion*
Louis F. Brossard, *Cadet First Lieutenant, Adjutant*

Cadet Officers, Company "A"

Marshall L. Blair, *Cadet Captain, Commanding Company*
Victor Cameron, John Vesser, *First Lieutenants, assigned to Company*; Kenneth Anderson, Hartwell Ball, H. C. Billings, Emil F. Brinkman, Harry Canine, *Cadet Second Lieutenants, assigned to Company*.

Cadet Officers, Company "B"

Harry A. Brenn, *Cadet Captain, Commanding Company*
Sylvester E. Kleffner and Frank Mitten, Jr., *First Lieutenants, assigned to Company*; Geo. W. Dunn, Walter D. Field, E. G. Greene, Philip M. Gustafson, Orin Gudmunsen and Otto Huefner, *Cadet Second Lieutenants, assigned to Company*.

Cadet Officers, Company "C"

Alfred M. Derr, *Cadet Captain, Commanding Company*
William F. Neal and Harold C. Wyman, *First Lieutenants, assigned to Company*; Royal B. Irving, Raynard Lundquist, Arthur R. Matthews, Frayne McAtee, Neal D. Nelson and Hanley H. Payne, *Cadet Second Lieutenants, assigned to Company*.

Second Battalion

Cadet Commissioned Staff

Leo V. Fleming, *Cadet Major, Commanding Battalion*
John W. Eagleson, Jr., *First Lieutenant, Adjutant*

Cadet Officers, Company "D"

Robert M. Quarles, *Cadet Captain, Commanding Company*
Kenneth M. Tipton and Frank Sinsel, *Cadet First Lieutenants, assigned to Company*; Harry W. Poulson, Frank B. Rember, Joe J. Thomas, Ted Turner, Jr., Wallace York, and Walter Yeomans, *Cadet Second Lieutenants, assigned to Company*.

Cadet Officers, Company "E"

Maurice H. Greene, *Cadet Captain, Commanding Company*
George T. Walker, *Cadet First Lieutenant, assigned to Company*; Buel Gossett, Orville Jones, Floyd Lansdon and Ralph Litton, *Cadet Second Lieutenants, assigned to Company*.

Cadet Officers, Company "F"

Horace W. Doty, *Cadet Captain, Commanding Company*
Alton D. Crowe and Andrew J. Naterlin, *Cadet First Lieutenants, assigned to Company*; Walter D. Tucker, Frank W. Click, Ralph G. Cromwell and Myron B. Given, *Cadet Second Lieutenants, assigned to Company*.

Third Battalion

Cadet Commissioned Staff

Gale L. Mix, *Cadet Major, Commanding Battalion*
Chris Berger, *Cadet First Lieutenant, Adjutant*

Cadet Officers, Company "G"

Morris W. Kline, *Cadet Captain, Commanding Company*

Herbert E. Karlburg, *Cadet First Lieutenant, assigned to Company*; Allen McDaniel, Jack Mix and Ernest W. Patch, *Cadet Second Lieutenants, assigned to Company*.

Cadet Officers, Company "H"

C. Delmont Smith, *Cadet Captain, Commanding Company*

Wilbur C. Pettibone, Jess R. Randell, Ted Bucklin and Brewer E. Lindberg, *Cadet Second Lieutenants, assigned to Company*.

PART VII
LIST OF STUDENTS
ENROLMENT SUMMARIES
INDEX

LIST OF STUDENTS

GRADUATE STUDENTS

NAME	MAJOR	RESIDENCE
*Addington, Victor Vernon B.A., University of Idaho, 1923	<i>English</i>	Harrison
Ahlson, Charles Boone B.S. (Agr.), Oregon Agricultural College, 1912	<i>Agriculture</i>	Moscow
*Albright, Beatrice Floe B.A., University of Idaho, 1923	<i>English</i>	Moscow
*Amrhein, Sister Elizabeth B.A., College of New Rochell, 1917	<i>English</i>	Great Falls, Mont.
**Armbruster, Myra B.A., University of Idaho, 1924	<i>History</i>	Moscow
Bagdasarian, Aaron Baghdasar B.S., University of California, 1924	<i>Metallurgy</i>	Moscow
Bailar, Sarah Frances B.A., University of Colorado, 1918	<i>Spanish</i>	Minturn, Colo.
**Banta, Donald Marion B.A., Spokane University, 1920	<i>English</i>	Moscow
Beresford, Hobart B.S. (Agr.Eng.), Iowa State College, 1924	<i>Mechanical Engineering</i>	Vinton, Ia.
Burke, Ada Eulalia B.A., University of Idaho, 1918	<i>English</i>	Lovell, Wyo.
**Burke, John Thomas B.S. (C.E.), University of Idaho, 1901	<i>Civil Engineering</i>	Moscow
**Cady, Louis Clyde B.S. (Chem.E.), University of Idaho, 1922	<i>Chemistry</i>	Moscow
Candee, Frank Wiggins B.S., Harvard College, 1912	<i>Mechanical Engineering</i>	Huntington Beach, Cal.
Carder, Dean Samuel B.S., Oregon Agricultural College, 1915	<i>Geology</i>	Moscow
*Carter, Herbert Marion B.S., Michigan Agricultural College, 1911	<i>Education</i>	Weiser
*Carpenter, William Chester B.S., University of Idaho, 1923	<i>Zoology</i>	Nampa
Church, Paul Kingsbury B.S. (Ed.) University of Idaho, 1924	<i>Zoology</i>	Whittier, Cal.
Cole, George Melvin B.S. (Ed.), University of Utah, 1923	<i>Sociology</i>	Augusta, Me.
Collins, Frank Harold B.S., Kansas State Agricultural College, 1915	<i>Agricultural Chemistry</i>	Manhattan, Kan.
*Cone, Charles Ernest B.S., University of Idaho, 1924	<i>Botany</i>	Parma
**Cone, William Homer B.S., University of Idaho, 1924	<i>Chemistry</i>	Parma

*Resident in Summer Session 1924

**Resident in Summer Session 1924 and regular session 1924-25.

GRADUATE STUDENTS

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NAME	MAJOR	RESIDENCE
**Constable, John Heywood B.A., University of Idaho, 1924	<i>English</i>	Gig Harbor, Wn.
*Cotton, Charles Edwin B.S., University of Idaho, 1922	<i>Education</i>	Elk River
*Craig, Stephen Merrill B.A., University of Idaho, 1906	<i>Economics</i>	Moscow
*Cromwell, Alfred Bertrand B.A., Spokane University, 1921	<i>Education</i>	Spokane, Wn.
*Cromwell, Mabel Muse B.A., Spokane University, 1920	<i>Psychology</i>	Spokane, Wn.
DeFrance, Jesse Allison B.S., Colorado Agricultural College, 1919	<i>Botany</i>	Golden, Colo.
**DuSault, Donald Dudley B.S., University of Idaho, 1923	<i>Chemistry</i>	Hagerman
Ellis, Ernest William B.S., University of Idaho, 1908	<i>Metallurgy</i>	Kellogg
**Fletcher, Ottis Schuler B.S. (Agr.), State College of Washington, 1907	<i>Plant Pathology</i>	Moscow
Fisher, Don Custer B.S. (Ed.), University of Idaho, 1925	<i>History</i>	Moscow
Fourt, David Leslie B.S., University of Missouri, 1914 B.S. (Agr.), University of Idaho, 1923	<i>Dairy Husbandry</i>	Moscow
**Gamwell, Barbara Greene B.B.A., University of Washington, 1919	<i>Psychology</i>	Moscow
*Geck, Edith Edwards B.S. (Ed.), University of Idaho, 1923	<i>Botany</i>	Moscow
*Gill, John Sherwood B.S., University of Idaho, 1924		Moscow
*Greenwood, Jessie L. B.A., Whitman College, 1921	<i>English</i>	Roseberry
**Greenwood, Lewis Charles B.A., Whitman College, 1922	<i>French</i>	Roseberry
Hammar, Louise Blau B.S. (Ed.), University of Washington, 1917	<i>German</i>	Moscow
Hannaford, Fred T. B.A., State College of Washington, 1920	<i>Architecture</i>	Mt. Vernon, Wn.
Hatfield, Glatha Doris B.S. (H.Ec.), University of Idaho, 1924	<i>Home Economics</i>	Moscow
*Hawkes, Helen Sanford B.A., College of Idaho, 1914		Moscow
**Hawkes, James Locke B.A., College of Idaho, 1921	<i>History</i>	Moscow
Helland, Leonard B.S. (M.E.), University of Idaho, 1919	<i>Mechanical Engineering</i>	Moscow
Hemmert, John Leslie B.S. (C.E.), University of Idaho, 1924	<i>Structures</i>	Moscow
*Hewitt, Willard Warren B.S. (Ed.), University of Idaho, 1923	<i>Psychology</i>	Moscow

*Resident in Summer Session 1924.

**Resident in Summer Session 1924 and regular session 1924-25.

NAME	MAJOR	RESIDENCE
Howe, Arthur Sylvester B.A., College of William and Mary, 1908	<i>Spanish</i>	Moscow
Irving, Robert Neil B.S. (Agr.), University of Idaho, 1921 B.S. (Ed.), University of Idaho, 1922	<i>Agronomy</i>	Coeur d'Alene
*King, Francis Cameron B.A., University of Idaho, 1924	<i>Education</i>	Lewiston
Knudson, Albert Henry B.S. (Mech.E.), University of Idaho, 1915	<i>Education</i>	Moscow
**Langlois, Fontella B.S. (Ed.), University of Idaho, 1924	<i>History</i>	Twin Falls
Larsen, George Victor B.S. (Met.), University of Idaho, 1924	<i>Metallurgy</i>	Bellevue
Lattig, Herbert Elmer B.S. (Agr.), University of Idaho, 1915	<i>Agricultural Education</i>	Payette
Legrid, Lester Ira B.S., University of Wisconsin, 1917	<i>Dairy Husbandry</i>	Deer Park, Wis.
Lewis, Mary Gunnell M.A., University of Idaho, 1924	<i>History</i>	Moscow
*Lloyd, Nelson Vernier B.A., University of Idaho, 1923	<i>English</i>	Ralston, Wn.
Lokken, John Carl B.S., University of North Dakota, 1919	<i>Metallurgy</i>	Hettinger, N. D.
**McKenna, Mary Agatha B.A., University of Idaho, 1920	<i>English</i>	Spokane, Wn.
McLaughlin, Eldora Ellsworth B.A., Jamestown College, 1917	<i>French</i>	Moscow
*McLaughlin, James Stanton A.B., M.A., Oberlin College, 1921	<i>Zoology</i>	Sandpoint
McPherron, Vernon Francis B.A., Highland Park College, 1905	<i>Education</i>	Albion, Wn.
Martin, Louisa B.S. (Ed.), University of Idaho, 1925	<i>English</i>	Moscow
*Mercer, C. Frantz B.A., University of Montana, 1923	<i>Education</i>	Gifford
Michael, William Manford B.A., University of Illinois, 1916	<i>English</i>	Moscow
Murray, Harold Edwin B.S. (M.E.), University of Idaho, 1922	<i>Economics</i>	Nampa
Nettleton, Harry Ira B.S., Oregon Agricultural College, 1913	<i>Forestry</i>	Moscow
*Noel, Bertha B.A., University of Idaho, 1924	<i>History</i>	Twin Falls
Nordby, Julius Edward M.S. (Agr.), University of Illinois, 1916	<i>Genetics</i>	Moscow
**Norton, Vera Amy B.S. (Ed.), University of Idaho, 1924	<i>Zoology</i>	Portland, Ore.
Perkins, Clinton Allen B.S. (Ed.), University of Idaho, 1924	<i>Agricultural Education</i>	Moscow

*Resident in Summer Session 1924.

**Resident in Summer Session 1924 and regular session 1924-25.

GRADUATE STUDENTS

265

NAME	MAJOR	RESIDENCE
Piper, Arthur Maine M.S. (Met.), University of Idaho, 1920	<i>Geology</i>	Moscow
Pizarro, Orsino Sanchez B.S., University of Idaho, 1925	<i>Bacteriology</i>	Philippine Is.
*Pogue, Emma J. Hardwick B. S., Washington State College, 1897	<i>Education</i>	Moscow
Poulson, Edwin Noel B.S. (Agr.), University of Idaho, 1925	<i>Agricultural Chemistry</i>	Aberdeen
Raeder, J. Milford M.S. (Plant Pathology), Iowa State College, 1910	<i>Agriculture</i>	Moscow
**Raynaldo, Delfin Alisasis B.S. (Ed.), University of Idaho, 1923	<i>Education</i>	Philippine Is.
**Reierson, Ellen B.S. (Ed.), University of Idaho, 1923	<i>Education</i>	Troy
Remsberg, John David, Jr. B.S. (Agr.), University of Idaho, 1924	<i>Agronomy</i>	Rupert
*Rice, Homer Beshears B.A., Spokane University, 1923	<i>Education</i>	Caldwell
Rieck, Pauline Harriet B.S. (H.Ec.), University of Idaho, 1922	<i>Home Economics</i>	Genesee
*Rowell, Ralph Rudolph B.S. (Agr.), University of Idaho, 1922	<i>Agricultural Chemistry</i>	Lewiston
Schoonover, Bonnie Blanche B.A., Morningside College, 1911	<i>English</i>	Moscow
Seely, Charlotte Crandall B.A., Smith College, 1919	<i>English</i>	Urbana, Ill.
*Shaw, Franklin Edward B.A., Stanford University, 1915	<i>Education</i>	Genesee
*Smith, Florenz Ethyle A.B., Lindenwood College, 1922	<i>English</i>	Walla Walla, Wn.
*Sparks, Mary Louise B.S. (Ed.), University of Idaho, 1923	<i>Education</i>	Lewiston
Stone, William Spencer B.S. (Pre-Med.), University of Idaho, 1924	<i>Zoology</i>	Pocatello
Taggart, Grace Loretta B.A., University of Idaho, 1919	<i>French</i>	Moscow
*Thomas, Frank Heinrich B.S., University of Idaho, 1919	<i>Botany</i>	Moscow
*Thornber, Jessie Beatrice B.S., South Dakota State College	<i>Home Economics</i>	Brookings, S. D.
*Tierney, Michael Joseph B.A., University of Idaho, 1924	<i>History</i>	Moscow
Vincent, Odalite B.S. (Ed.), Oregon Agricultural College, 1903	<i>Education</i>	Moscow
*Waters, Silas A. B.A. (Ed.), Kansas State Teachers' College, 1895	<i>Psychology</i>	Moscow
*White, Lillian Olga B.A., University of Idaho, 1921	<i>English</i>	Moscow

*Resident in Summer Session 1924.

**Resident in Summer Session 1924 and regular session 1924-25.

NAME	MAJOR	RESIDENCE
Whitehead, Fred Erie	<i>Genetics</i>	Moscow
M.S., Kansas State Agricultural College, 1924		
**Wiswell, Howard Oden	<i>Education</i>	Moscow
B.S. (Ed.), University of Idaho, 1923		
**Witty, Karyl Louis	<i>Education</i>	Winchester
B.S. (Ed.), University of Idaho, 1923		
Woodsdalek, Hazel Phillips	<i>Zoology</i>	Moscow
B.A., University of Wisconsin, 1914		
Woelflen, Irene Margaret	<i>History</i>	Lewiston
B.S. (Ed.), University of Idaho, 1925		
*Yaggy, Arthur Felmley	<i>French</i>	Nampa
B.A., University of Idaho, 1924		
*Yates, Charles Dennis	<i>Education</i>	Kellogg
B.A., Otterbein College, 1911		

GRADUATE STUDENTS, 100

GRADUATE STUDENTS IN PARTIAL ENROLMENT

Anderson, Alfred Melvin	<i>Geology</i>	Moscow
Pierce, Walter Howard	<i>Agronomy</i>	Berger
Sugg, A. I.	<i>Poultry Husbandry</i>	Moscow
Sowder, Arthur Merrill	<i>Forestry</i>	Coeur d'Alene
West, Thomas Payne	<i>Physics</i>	Pocatello

SENIORS

(Class of 1925)

Curricula are indicated thus: Bachelor of Arts, *a*; Bachelor of Science, *s*; Pre-Medical, *med*; Home Economics, *he*; Business, *bus*; Music, *m*; Architecture, *arch*; Pre-Nursing, *nurs*; Agriculture, *ag*; Civil Engineering, *ce*; Electrical Engineering, *ee*; Mechanical Engineering, *me*; Chemical Engineering, *chem*; Law, *law*; Mining Engineering, *min*; Metallurgy, *met*; Geology, *geol*; Forestry, *for*; Education, *ed*.

Alford, Eugenia Alice, <i>a</i>	Lewiston
Allen, Donald McDowell, <i>bus</i>	Moscow
Anderson, Alfred Melvin, <i>s</i>	Moscow
Anderson, Eugene Hughes, <i>law</i>	Malad
Anderson, Everett S., <i>s</i>	Moscow
Anderson, Mary Coryell, <i>he</i>	Moscow
Angell, Mary Evelyn, <i>s</i>	Moscow
Armstrong, Harrison Roza, <i>ce</i>	Seattle, Wn
Ashcraft, Maude Gertrude, <i>a</i>	Moscow
Ballif, Paul Shirvington, <i>me</i>	Whitney
Barlogi, Marguerite Fontaine, <i>a</i>	Hagerman
Barnes, Norma, <i>he</i>	Idaho Falls
Bieler, Paul Frank, <i>bus</i>	Twin Falls
Black, Gerald L., <i>ag</i>	Boise
Black, Jessie Mildred, <i>a</i>	Boise
Blandford, Joseph Harold, <i>law</i>	Moscow
Boosinger, Augustus John, <i>ed</i>	Moscow
Bradfield, Earl Francis, <i>law</i>	Pocatello
Brenn, Harry Allen, <i>bus</i>	Boise
Brossard, Louis Fisher, <i>ce</i>	Rigby
Bullock, Jefferson Davis, <i>min</i>	Lindsay, Okla
Burggraf, Katherine, <i>ed</i>	Blackfoot
Burleigh, Mary Louise, <i>a</i>	Priest River
Byrne, Walter Joseph, <i>ag</i>	Boise
Cameron, Alyce Frances, <i>he</i>	Moscow
Carland, Maude Ethel, <i>ed</i>	St. Maries
Carter, Ike Newton, <i>ce</i>	Moscow
Carter, Margaret Cunningham, <i>ed</i>	Boise
Casey, Florence Madaline, <i>ed</i>	Juneau, Alaska
Christen, Philip Grimm, <i>bus</i>	Heyburn
Coon, Sam H., <i>a</i>	Boise
Cooper, Mary Edith, <i>ed</i>	American Falls
Cornelison, Harold Henry, <i>bus</i>	Moscow
Covey, Forest Loyal, <i>bus</i>	Nezperce
Crowe, Alton Douglas, <i>bus</i>	Kamiah
Cummings, Lewis A., <i>for</i>	St. Petersburg, Fla
DeChambeau, Elgy Orville, <i>ed</i>	Eagle
Derr, Alfred Morley, <i>ag</i>	Clarksfork
Derr, John Ottoway, <i>ag</i>	Clarksfork
Dickinson, Mary Agnes, <i>he</i>	Hagerman
Doty, Horace Welles, Jr., <i>med</i>	Pocatello
Dunn, Mary Elizabeth, <i>a</i>	Blackfoot
Eastman, Elwyn Ansel, <i>geol</i>	Nezperce
Fales, Clarence Henry, <i>ag</i>	Gooding
Featherstone, Marion, <i>ed</i>	Palouse, Wn

*Resident in Summer Session 1924.

**Resident in Summer Session 1924 and regular session 1924-25.

Feldhusen, Marie Magdaline, he.....Boise	Meskeil, Loretta Marguerite, he.....West Union, Ia
Fisher, Don Custer, ed.....Grangeville	Messenger, Loren Eliot, ed.....Moscow
Fisher, Roberta Kirk, a.....Weiser	Minas, Frank Anthony, s.....Boise
Fleming, Leo Vincent, a.....Burke	Mitten, Frank Phillip, Jr., m.....Moscow
Forsyth, Helen Elizabeth, a.....Yakima, Wn	Mix, Gale Lee, law.....Moscow
Foskett, Lawrence Wilson, ee.....Whitebird	Mount, Elizabeth Jean, s.....Spokane, Wn
Gardner, Elmer, he.....Calexico, Cal	Neffeler, Helen Lydia, he.....Spokane, Wn
Garver, Joslin Albert, bus.....Boise	Nelson, Arvid Richard, a.....Moscow
Gehrke, Earl Edward, bus.....Moscow	Olson, Carol Florence, bus.....Mullan
Gehrke, Maybelle Marie, a.....Moscow	Otness, Lester, bus.....Moscow
Gibbs, Jane E., a.....Caldwell	Paisley, Mary, a.....Spokane, Wn
Glindemann, Bertha Louise, a.....Pocatello	Patch, Vernon Tabor, ag.....Payette
Golden, Arthur D., bus.....Boise	Pechanec, Anna Alice, s.....Nampa
Green, Della Victoria, bus.....Moscow	Pena, Aniceto, min.....Orum, Bolivia
Green, Giles Sampson, ed.....Kooskia	Penwell, Guy Oscar, law.....Moscow
Greene, Maurice Hunt, law.....Moscow	Perry, Gladys Edith, he.....Moscow
Groefsema, Gertrude Evelyn, ed.....Mountain Home	Peterson, Homer Leslie, ed.....Moscow
Groves, Lillian Pearl, a.....Sandpoint	Peterson, Walner Lauranties, bus.....Potlatch
Hagan, Alfred Elias, law.....Moscow	Pierce, Walter Howard, ag.....Berger
Hansen, Henry Christian, ag.....Vegle, Denmark	Piper, Norma Yount, he.....Moscow
Harding, Ralph William, bus.....Malad	Pitcher, Carter Lee, med.....Moscow
Harlan, Paul McLean, for.....Jackson, Tenn	Pizarro, Orsino Sanchez, s.....Philippine, Is
Harris, Fay, ed.....Nezperce	Poindexter, Samuel Marshall, med.....Boise
Hawkins, Ruth, a.....Emmett	Poulson, Edwin Noel, ag.....Aberdeen
Haymond, Mary Agatha, he.....Moscow	Povey, Ethel Marie, ed.....Hailey
Healy, Kathryn Louise, a.....Roberts	Povey, Kathleen, a.....Hailey
Heath, Millard Urban, a.....Yakima, Wn	Powers, Henry Charles, a.....Burley
Hedge, Lola, a.....Moscow	Quinn, Lawrence Brainard, law.....Gardena
Helphrey, Louis H., ag.....Sandpoint	Rasmussen, John Oscar, ed.....Nampa
Hibbeln, Mary Esther, ed.....Orofino	Reed, John Harrison, ce.....Idaho Falls
Hibbs, Helen Clark, a.....Lapwai	Reed, William Turner, a.....Coeur d'Alene
Hill, Schuyler Gregg, a.....Boise	Renshaw, Emera Wolfard, for.....Kamiah
Hillman, Errol Hawley, law.....El Segundo, Cal	Ripplinger, Werner Joseph, a.....Moscow
Holbrook, Elmer McKinley, ag.....Ola	Rowlands, Llewellyn, ed.....Sandpoint
Hove, Ruth Theodora, a.....Spokane, Wn	Ruberg, Hugo Theodore, a.....Troy
Hubble, Loris, ag.....Coeur d'Alene	Samms, Philip Clarence, ce.....Boise
Huffman, Frances Joy, ed.....Moscow	Saunders, Glen, min.....Boulder, Colo
Jenness, Louise Bertrand, a.....Weiser	Schick, Margaret Allison, a.....Moscow
Johnson, Milton A., ag.....Nezperce	Schumacher, Beulah Bea, bus.....Moscow
Jones, Charlotte Burton, a.....Newberg, Ore	Selby, Florence Marguerite, a.....Boise
Jones, Sara Daniels, ed.....Malad	Serebrennikov, Eugene Sergei, ag.....Kazan, Russia
Joyce, Edwin, min.....Spokane, Wn	Shepard, Gertrude Lucille, a.....Havre, Mont
Kerns, Evelyn Lucille, ed.....Malad	Shoults, David Roy, ee.....Gooding
Kershisnik, Frank Joseph, ag.....Burley	Simmons, Charles William, bus.....Kellogg
Kilimann, William, ee.....Kellogg	Smith, Charles Delmont, a.....Lewiston
Kinnison, Frank, ag.....Ontario, Cal	Smith, Edward Otis, law.....Orofino
Kjosness, Nikoline Fredrikke, a.....Lewiston	Snow, Elva Anderson, for.....Meridian
Kleffner, Sylvester Emmett, ed.....Twin Falls	Sowder, Arthur Merrill, for.....Coeur d'Alene
Kline, Morris William, law.....Plainfield, N J	Space, Ralph Stephen, for.....Weippe
Lacy, James Virgil, a.....Tekoa, Wn	Springer, Margaret Ellen, a.....Boise
Lamphere, John Theodore, a.....Moscow	Stenger, Doris May, a.....Moscow
Larson, Allen K., ag.....American Fork, Utah	Stephens, William Louis, ag.....Blackfoot
Lawson, Charles Lewis, bus.....Wilder	Stivers, Vernon Theodore, ed.....Moscow
Lemmer, Cecilia Stella, a.....Kootenai	Sugg, A. I., ag.....Norman, Okla
Leney, George Clinton, bus.....Hollister	Tapper, Lyle Gilbert, ed.....Richfield
LeRoux, Jessie Frances, ed.....Sherry, Wis	Taylor, Edward Albert, a.....Grangeville
Leth, Walter Christian, ag.....Twin Falls	Taylor, Fred Monroe, law.....Nampa
Little, Sidney Oral, min.....Boise	Teats, Dorothea Betty, ed.....Reubens
Lowe, Janice Lillian, a.....Council	Terteling, Nixon Lewis, ce.....Moscow
McCallum, Mary, a.....Coeur d'Alene	Thomas, Darwin William, law.....Malad
McDougall, Grace Alma, he.....Kellogg	Thulin, Henning William, ag.....Idaho Falls
McGonigle, Frederick, min.....Spokane, Wn	Trowbridge, Thelma Farnsworth, he.....Kimball, Neb
McLaughlin, Robert Penfield, for.....Moscow	Van Deusen, Mary Eva, he.....Emmett
McMaster, Annabelle, he.....Kimberly	Vazquez, Alberto, a.....Yabucoa, Porto Rico
MacKinlay, Gwyneth Loretta, s.....Lewiston	Vesser, John Martin, ag.....Coeur d'Alene
MacMillan, Ilda Estelle, mus.....Moscow	Vickrey, Charles Warren, a.....Boise
Malhotra, Des Raj, for.....Jammu, India	Wahl, Andrew John, geol.....Twin Falls
Marchesi, Floyd Ernest, bus.....Kellogg	Walker, Mary Dorothy, a.....Wallace
Marker, Sophus Elmer, ed.....Coeur d'Alene	West, Thomas Payne, s.....Pocatello
Martin, Homer Earl, law.....Boise	Wheatley, Daisy Belle, he.....Mullan
Martin, Louisa, ed.....Moscow	Wicks, Guy P., ed.....Moscow
Mash, Ralph Edwin, chem.....Seattle, Wn	Williams, Lewis M., ag.....Boise
Mason, Dora Eaton, ed.....Moscow	Willoughby, Hugh Thornton, a.....Garfield, Wn

Wittenburg, Harold Henry, met	Alamo, Tex	Wyman, Harold Charles, a.....	Colfax, Wn
Wimer, Elizabeth, a.....	Wallace	Yarborough, Nora, he.....	Moscow
Woelflen, Irene Margaret, ed.....	Lewiston	Yeamans, Harold Luther, law	Spokane, Wn
Wolff, Ruth Regina, a.....	Genesee	York, Walter Read, bus.....	Boise

SENIORS, 199

JUNIORS (Class of 1926)

Ackerman, Louis Bernard, me	New Plymouth	Cunningham, James Edward, med	Spokane, Wn
Albertson, Herma Geneva, ed.....	Blackfoot	Curtis, Homer Tillson, ee.....	Weiser
Allen, Gladys May, he.....	Moscow	Davidson, Mary Cecelia, ed.....	Spokane, Wn
Alvord, May Ellen, a.....	Twin Falls	Davison, Gifford, bus.....	Nampa
Anderson, Ivan Axel, ag.....	Mountain Home	Dayton, Beatrice, s.....	Arco
Anderson, Kenneth, a.....	Moscow	Decker, Lepha Mae, a.....	Kooskia
Anderson, Mildred Jeanette, a.....	Moscow	de la Cruz, Eugenio, for.....	Philippine Is
Anderson, Arval Lloyd, ce.....	Moscow	DeWitt, Ethel S. Humphrey, a.....	Moscow
Anderson, Ruth Amy Marie, a.....	Moscow	Dick, Donald Edward, chem.....	Lewiston
Archibald, Hyrum Martel, s.....	Boise	Disney, Dwight Rockwell, ed.....	Rupert
Arciaga, Arcadio Isla, ag.....	Philippine Is	Dole, Robert Eugene, me.....	Lewiston
Armbruster, Iris Kathryn, a.....	Moscow	Doyle, Ivan S., for.....	Moscow
Arntzen, Jeanetta, a.....	Moscow	Drissen, Gertrude Ellen, ed.....	Harrison
Aspray, Ruth Muriel, a.....	Spokane, Wn	Dunn, George Wallace, chem.....	Spokane, Wn
Austin, Helen May, he.....	Boise	Dunn, Robert Howes, min.....	Wallace
Babcock, Edward Everett, a.....	Twin Falls	Eagleson, John Willis, Jr., ed.....	Boise
Backus, Evelyn Genivieve, ed.....	Tacoma, Wn	Eaton, Nellie Lu, ed.....	Mountain Home
Baken, Gertrude Myra, a.....	Moscow	Eckermann, Agnes Clara, ed.....	Cottonwood
Baker, George Barton, bus.....	Twin Falls	Edeen, Esther Hedvig, he.....	McCammon
Barclay, Adam Wayne, law.....	Jerome	Eichner, Mabel Kathryn, a.....	Kendrick
Barnett, Rutherford Albert, a.....	Lewiston	Erickson, Everett Russell, a.....	Curlew, Wn
Barrus, Benjamin Harrison, ed.....	Oakley	Ernsberger, Edward Lester, ee.....	Rathdrum
Baughman, Harry Christopher, law	Lewiston	Evans, Hosea Redshaw, bus.....	Kellogg
Beam, Richard Charles, ce.....	Meridian	Fales, David Baxter, ag.....	Gooding
Beattie, John Frederick, med.....	Boise	Faulkner, Ruth, ed.....	Sumner, Wn
Bennett, Evangeline Viola, s	Coeur d'Alene	Felt, Syble Charlotte, ed.....	Blackfoot
Berger, Chris, ee.....	Tekoa, Wn	Field, Walter Daniel, for.....	Huston
Billings, Harry Clayton, ce.....	Richfield	Finley, Nona Vivian, ed.....	Mount Ayer, Ia
Bitner, William H., chem.....	Kellogg	Fleming, Gertrude Bernadette, a.....	Burke
Bjork, Gustaf Emmanuel, ce.....	Lewiston	Gardner, Johannah Bertha, he.....	Moscow
Blair, Marshall Lynn, ee.....	Spokane, Wn	Garrett, Walter Kenneth, bus.....	Wallace
Bliss, D. Weston, ag.....	Bliss	Garrison, Jean Morris, ed.....	Moscow
Bolger, Emmy Lou, he.....	Santa Cruz, Cal	Gauer, Marie, a.....	Payette
Bonham, Karl Wright, bus.....	Moscow	Gillham, Norman Flagg, for	Edwardsville, Ill
Bouse, Robert Clark, ee.....	Rupert	Gilson, George Merle, bus.....	Lewiston
Boyer, Blanche Olga, a.....	Mountain Home	Gord, Otto Eugene, ee.....	Troy
Bozarth, Alice Virginia, ed.....	Culdesac	Gossett, Buel Price, bus.....	Moscow
Brinkman, Emil Fredrick, ag.....	Winchester	Greene, Edwin Garber, for.....	Moscow
Brock, Robert Endicott, bus.....	Wallace	Greene, Florence Virginia, a.....	Salmon
Brown, Camilla, a.....	Kellogg	Gregory, Blanche L., he.....	Moscow
Brown, Wallace Cable, a.....	Lewiston	Griffith, Mabel, he.....	Burley
Buchholz, John Jacob, ed.....	Melrose	Gudmunsen, Orin Sylvester, for.....	Moscow
Buckingham, William Ellery Morrison, for	Gifford	Hansen, Josie Bernice, a.....	Moscow
Bucklin, Theodore Henry, ed.....	Idaho Falls	Harding, Dale Mark, a.....	Nezperce
Budge, Ora Amelia, s.....	Boise	Harris, Hazel Marie, a.....	Kamiah
Callender, William Crago, for.....	Boise	Hausen, Charles Bradstreet, min.....	Rupert
Cameron, Victor Frederick, ed.....	Ustick	Hauser, Frances Marie, ed.....	Lewiston
Campbell, Hazel Margueriette, ed	Sandpoint	Hawkins, Sheldon Andrew, ed.....	Rupert
Canine, Henry Edison, ed.....	Burley	Haymond, Elizabeth Gertrude, ed.....	Moscow
Cherrington, Elva Laura, ed.....	Blackfoot	Helm, Dorothy Vernon, a	Jordan Valley, Ore
Childers, Joseph Willis, ee.....	Nampa	Helphrey, Mary, ed.....	Sandpoint
Church, Bertha Lucinda, ed.....	American Falls	Hemingway, Grace Irene, ed.....	St. Maries
Clay, Pearl, s.....	Roosevelt, Okla	Hemmert, Mildred Louise Dowling, bus	Moscow
Coons, Donald Lorenzo, ee.....	Sandpoint	Henry, George Ercil, bus.....	Moscow
Cox, Margaret Ellen, a.....	Kendrick	Hepton, Gladys May, ed.....	Lewiston
Cranston, Walter White, bus.....	Boise	Hite, Thomas Hugh, s.....	Boise
Cromwell, Ralph G., arch.....	Cascade	Hockaday, Gordon Vincent, a.....	Rupert
Cummins, Robert Mathew, law.....	Wallace	Hogenson, Lillian Marie, bus	Long Beach, Cal
		Holman, Alfred William, ag.....	Cabarton

Honnold, Helen Mary, a.....	Twin Falls	Mosher, Marjorie Lois, a.....	Pocatello
Hoobing, Volney Jacob, bus.....	Boise	Murphey, Caroline, ed.....	Moscow
Horne, Douglas Lawrence, med.....	Burke	Musser, Jack Brenner, law.....	Moscow
House, Kenneth, ee.....	Moscow	Nagel, Louise Helen, bus.....	Boise
Hove, Ella, a.....	Moscow	Nash, Josie May, ed.....	Boise
Howard, Freda, a.....	American Falls	Naterlin, Andrew John, law	
Howerton, Lovell, B., ed.....	Jerome		Oregon City, Ore
Hudelson, Robert Wayne, law.....	Moscow	Nelson, Neal Denman, ed.....	Burley
Huefner, Otto Andrew, min.....	Kellogg	Nicol, Henry Quintor, ed.....	Reubens
Hughes, Leona Claire, he.....	Roseberry	Noh, John Walter, bus.....	Twin Falls
Hunt, Opal Ione, a.....	Omaha, Neb	Noyer, Harold Elmer, bus.....	Blackfoot
Hunter, Clifford Hamilton, for		O'Reilly, Helen Eleanor, ed.....	Potlatch
	Coeur d'Alene	Olsen, Clarence Christian, for.....	Seattle, Wn
Huntington, Collis Harold, for		Olson, Ann Mabel, a.....	Moscow
	Batavia, N Y	Ostroot, Ellen Pauline, a.....	Moscow
Hurt, Peyton, a.....	Pocatello	Otness, Roy Harold, ce.....	Moscow
Hutton, Norvin James, ee.....	Moscow	Oud, Robert Henry, bus.....	Orofino
Hyatt, Paul Winniford, law		Palmer, Della, ed.....	Malad
	Enterprise, Ore	Palmer, Phyllis, a.....	Malad
Icarangal, Primo E., for.....	Pangil, Lag., P I	Panek, Victor Otto, a.....	Nampa
Irving, Royal Bruce, ag.....	Rupert	Parsons, Helen Beede, he.....	Moscow
Jenifer, Mildred, bus.....	Lewiston	Patch, Ernest William, ed.....	Payette
Jensen, Earl Christian, med.....	Rupert	Payne, Hanley Howard, bus.....	Idaho Falls
Johnson, Josephine, ed.....	Lewiston	Pearson, Anna Mildred, a.....	LaGrande, Ore
Johnson, Richard Hugh, for		Peterson, Lawrence John, ag.....	Nampa
	Poughkeepsie, N Y	Pettibone, Wilbur Cephus, law.....	Grangeville
Johnson, Vernon Raymond, a.....	Boise	Phelps, Eugene Vincent, for	
Jones, James Orville, ed.....	Portland, Ore		Barrington, Ill
Jones, Winifred Verle, a.....	Palouse, Wn	Phipps, Jack Taylor, bus.....	Twin Falls
Kahn, Gladys Pauline, ed.....	Caldwell	Pierce, Lyle Reed, arch.....	Berger
Karlborg, Herbert Emmanuel, a.....	Nampa	Pickering, Rex Albert, ed.....	Anatone, Wn
Keane, Johanna Josephine, ed.....	Moscow	Platt, John Garrett, a.....	Caldwell
Keeler, Howard Frederick, chem.....	Pocatello	Pollard, Herbert Austin, geol.....	Burley
Keeney, Lynne, ed.....	Troy	Potter, Elsie, a.....	Pocatello
Kennedy, Esther Elaine, a.....	Clarkston, Wn	Proctor, Mildred Irene, a.....	Nampa
Kerns, Claude Lamar, med.....	Malad	Pugh, Lawrence Richard, for.....	Springston
Kinney, Charles Emmett, law.....	Nampa	Quarles, Robert Monroe, ee.....	Boise
Kinnison, Mary Joe Wicks, ed.....	Moscow	Raeder, Lewis Drager, ag.....	Nuangola, Pa
Lamphere, Willard Henry, ag.....	Moscow	Randell, Jess Robert, bus.....	Moscow
Laney, Mildred Irene, ed.....	Coeur d'Alene	Reed, Robert Edward, bus.....	Coeur d'Alene
Lansdon, William Henry, for.....	Boise	Reem, Clifford Lee, bus.....	Hope
Lawrence, Ruth Catherine, a.....	Reubens	Reeves, William, ee.....	Burke
Lehrbas, Mark Morris, for.....	Pocatello	Rember, Frank B., ed.....	Hailey
Leithe, Anna Marie, he.....	Coeur d'Alene	Reget, Harry Daniel, a.....	La Crosse, Wis
Leithe, Erick Merlin, a.....	Coeur d'Alene	Rodgers, Bertha Hall, ed.....	Moscow
Leute, Mary, a.....	Pocatello	Rodgers, Jefferson Belton, me.....	Moscow
Lindstrom, Clarence Emil, for.....	Dover	Roe, Hazel Mary, a.....	Boise
Litton, John Ralph, law.....	Lamont	Ross, Ralph Blease, for.....	Gary, Ind
Lommasson, Helen, ed.....	Clarkston, Wn	Ruberg, Richard Emanuel, a.....	Troy
Long, Helen Wrighter, ed.....	Arco	Russell, Mary High, ed.....	Reubens
Long, Reyma Alene, a.....	Coeur d'Alene	Sajor, Valentine, for.....	Cabugas, Philippine Is
Loveless, Helen Gertrude, a.....	Coeur d'Alene	Sake, Edna Viola, ed.....	Long Beach, Cal
Lowe, Heber Doney, ed.....	Moscow	Schrader, Willard Elwin, bus	
Lundquist, Raynard, chem.....	Moscow		La Crosse, Wis
McBirney, Irene Margaret, s.....	Boise	Schroeder, William, ee.....	American Falls
McCoy, Millie Jane, he.....	Meridian	Severance, Clarabelle, ed.....	Kimberly
McCrea, Donald Mellison, bus.....	Kendrick	Shallis, Ira Hunter, Jr., bus	
McDaniel, Allen, ed.....	Moscow		Coeur d'Alene
McRae, John Calendar, chem.....	Moscow	Sheldon, Phoebe Edna, s.....	Moscow
MacDowell, Viola Alberta, s.....	Rimbey, Alta	Sheneberger, Zuma, a.....	Twin Falls
Mahoney, Benjamin Franklin, ed.....	Albion	Shultis, Allen Day, a.....	Bonnors Ferry
Manning, Dorothy Louise, a.....	Pocatello	Sievers, Clement H., ed.....	Moscow
Marineau, Albert Alexander, a		Sievers, Clifford, ce.....	Moscow
	Coeur d'Alene	Silva, Iva Lorene, a.....	Shoshone
Mayer, Orland Clayton, ee.....	Genesee	Simonson, Clarence, arch.....	Moscow
Melick, Marshall Steyer, for.....	Bethlehem, Pa	Simonson, Karl Ellis, bus.....	Moscow
Melin, Russell Theodore, a.....	Bonnors Ferry	Skidmore, Joseph Hansel, min.....	Boise
Mesina, Federico Lapus, me.....	Philippine Is	Skinner, Albert Martin, bus.....	Emmett
Miller, George Hodgson, ce.....	Coeur d'Alene	Smith, Gwendolen Violet, ed.....	Boise
Mitchell, Pauline Howard, a.....	Moscow	Soderberg, Arnold Orlando, ee.....	Orofino
Mix, John Parson, a.....	Moscow	Soffe, Rhea Viola, ed.....	Rigby
Moe, Sven Aeirling, ed.....	Kellogg	Sokolnikoff, John Ivan Stephen, ee	
Montgomery, Ruth Elizabeth, ed			Harbin, China
	Bozeman, Mont	Springer, Eugene Elizabeth, a.....	Boise
Mooney, Walter Edward, arch.....	Idaho Falls	Stanton, Helen Marjorie, a.....	Moscow
Morgan, Leslie Vernon, bus.....	Twin Falls	Stalker, Mary Esther, he.....	Lewiston

Stephens, Leslie Ray, ed.....	Blackfoot
Stockdale, Stephen Warren, min.....	Boise
Stone, Bert Seymour, ed.....	Nampa
Stone, Florence Helen, he.....	Pocatello
Strobeck, Emil Harland, a.....	Twin Falls
Stubblefield, Blaine, a.....	Richmond, Cal
Stunz, Minna Winona, he.....	Boise
Sullivan, Frances Ada, s.....	Spokane, Wn
Swanson, Arthur, min.....	Spokane, Wn
Swart, Harriet Elizabeth, ag.....	Burley
Sweet, Margaret, ed.....	Lewiston
Taggart, Mary, a.....	Moscow
Taylor, Howard Edward, a.....	Coeur d'Alene
Terteling, Minerva Kathryn, a.....	Moscow
Thomas, Joseph Jefferson, ed.....	Moscow
Thomas, Polly Mayry, a.....	Twin Falls
Thompson, Opal Inez, ed.....	Boise
Titus, Elmore Philip, met.....	McMinnville, Ore
Toole, Arlie Walter, for.....	Marshfield, Ore
Tulley, Miriam Gladys, ed.....	Worley
Turner, Theodore, Jr., s.....	Nampa
Turner, Theodore Wallace, ed.....	Caldwell
Van Name, George Irving, Jr., bus.....	Nampa
Vang, Victor Marinus, me.....	Kellogg
Wagner, John Earl, bus.....	Potlatch
Walker, Florence Maria, a.....	Wallace
Walker, George Thomas, law.....	Wallace
Walker, Robert Caldwell, ed.....	Caldwell
Walrath, Fairly John, for.....	Orofino
Walrath, Theodore Marcus, bus.....	Orofino
Walsdorf, Chester William, ed.....	Stanley, Wis
Waters, George Elmer, ed.....	Challis
Waters, Mildred Evelyn, he.....	Challis
Wein, Mandell Beatrice, a.....	Spokane, Wn
Welker, Viola Maud, ed.....	Lewiston
Westwood, Page, a.....	Sandpoint
White, Almon John, med.....	Moscow
White, Harold Zenas, for.....	Moscow
White, Norman Rush, min.....	Wallace
Whittier, Florence Virginia, s.....	Moscow
Williams, Emmett Eugene, ee.....	Pocatello
Williams, Guy V., for.....	Boise
Williamson, Frank Nathaniel, bus.....	Moscow
Williamson, Mary Elizabeth, he.....	Moscow
Wills, James Mason, bus.....	Kooskia
Wilson, Isabel Florence, a.....	Pocatello
Witter, Katherine Frances, ed.....	Moscow
Wood, Helen May, a.....	Kellogg
Woody, Gladys Anna, a.....	Kendrick
Wyman, Francis Theodore, a.....	Boise
Yager, Sidney Armond, a.....	Boise
Yeaman, Louise Brooks, ed.....	Idaho Falls
Yearian, Helen Russell, a.....	Lemhi
York, Wallace Edward, bus.....	Blackfoot
Yost, Ada, a.....	Moscow
Yost, Hester Madelin, ed.....	Boise
Zornes, Ruth Florence, a.....	Coeur d'Alene
Ziegler, Daisy Louise, bus.....	Clarkston, Wn

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SOPHOMORES

(Class of 1927)

Alexander, Philip Wesley, bus.....	Spokane, Wn
Allgood, Elmo, for.....	Moscow
Anderson, Donald Brown, law.....	Weiser
Anderson, Fern Cranston, a.....	Sandpoint
Anderson, Helen Mabel, ed.....	Moscow
Anderson, Myron Egan, bus.....	Coeur d'Alene
Anderson, Paul Alvin, ed.....	Coeur d'Alene
Andrews, Robert, bus.....	Caldwell
Bailey, Albert Samuel, ag.....	Twin Falls
Bailey, Allen Ansel, bus.....	Coeur d'Alene
Baird, John Cecil, for.....	Chicago, Ill
Balkow, Cecil Everett, ee.....	Rathdrum
Ballard, Claude, bus.....	Moscow
Barry, William Carrigan, min.....	Boise
Barton, Howard Edmund, bus.....	Boise
Basford, Neta Ollie, he.....	Sandpoint
Bauer, John, ag.....	Sugar City
Beall, Leonard Ausman, ed.....	Wilder
Beals, Wilfred Frankford, for.....	Okanogan, Wn
Beardmore, Vivienne Lucile, a.....	Spokane, Wn
Becher, Edmund Theodore, a.....	Twin Falls
Bell, James Edward, chem.....	Peru
Belnap, Elmer Durlin, ag.....	Rexburg
Bennett, Carey Hall, for.....	Ogden, Utah
Bennett, Donald Homer, bus.....	Moscow
Berry Byron Uriah, a.....	Filer
Bever, Wayne Melville, ag.....	Lapwai
Blackburn, Edmund Glenn, bus.....	Pittsburg, Pa
Bohlscheid, Curtis Leslie, a.....	Pocatello
Bohman, Clinton Roy, a.....	Troy
Bohman, Ernest Herbert, med.....	Troy
Bolles, Warren Huntington, for.....	Moscow
Bowden, Kathryn, a.....	Sandpoint
Bowdish, Avis, s.....	Boise
Bradbury, Frederick Dewet, min.....	Rathdrum
Brewink, James Ladd, ee.....	Lewiston
Brown, Cecil Lawrence, ee.....	Homedale
Brown, Gertrude Ethel, a.....	St. Maries
Brown, Marjorie Warner, he.....	Twin Falls
Brown, McDonald Ross, ed.....	Reubens
Buchanan, Jess Everett, ce.....	Spokane, Wn
Burke, Genevra Genevieve, ed.....	Moscow
Burr, Ednah Fairbanks, bus.....	Pasco, Wn
Burrall, Nellie Frances, he.....	Ashton
Burroughs, George Tyler III, a.....	Burley
Burroughs, Isaac Chalotte, for.....	Poughkeepsie, N Y
Burton, Rupert Stevens, law.....	Moscow
Butler, Fred Louis, bus.....	Kellogg
Cagle, Walter Frank, ag.....	Twin Falls
Calkins, Wesley Emil, ag.....	The Dalles, Ore
Callaway, William Robert, arch.....	Kellogg
Carlson, Elmer Clifford, arch.....	Moscow
Carmel, Sister Mary, a.....	Moscow
Carr, Fred James, bus.....	Dell, Mont
Carroll, Hugh Charles, me.....	Creston, Wn
Casey, Clayton Cornelius, min.....	Nampa
Childers, Dorothy Flanders, ed.....	Spokane, Wn
Clare, Herbert Cecil, chem.....	Cambridge
Clark, Samuel Mott, ee.....	Mackay
Clark, Welden Edward, ee.....	Boise
Cole, Maurice G., med.....	Filer
Collins, Camille, a.....	Wallace
Coons, Clifford Albert, bus.....	Sandpoint
Cooper, Frederick Glenn, ed.....	Tacoma, Wn
Cordray, Lola Pearl, bus.....	Kimberly
Correll, Theodore Harrison, s.....	Moscow
Costello, Irene, a.....	Twin Falls
Cranston, William Vincent, for.....	Mt. Vernon, Wn
Crawford, Myra Lee, ed.....	Moscow
Crawford, Virgil Orvis, for.....	Opportunity, Wn

Cromwell, James Oliver, med.....	Gooding
Crow, Ansel Dale, a.....	Moscow
Currie, Ray Edward, med.....	Spokane, Wn
Curtis, Albert Bruce, ed.....	Rosalia, Wn
Dahman, Harold Everett, ce.....	Idaho Falls
Darling, Dorothy Mary, a.....	Boise
Davis, Carroll Benjamin, bus.....	Emmett
Davis, June Ransom, he.....	Moscow
Davis, Wayne Harline, ed.....	St. Anthony
Dawson, Thelma Ernestine, he.....	Twin Falls
Day, Bernice, min.....	Moscow
DeWitt, Cleo Vivian, a.....	Twin Falls
Diehl, Charles Christian, ag.....	Filer
Draper, Paul Calvin, ee.....	Moscow
Dresser, Richard, law.....	Lewiston
DuBois, Carol Jean, ed.....	Moscow
Duevel, Margaret Augusta, he.....	Tacoma, Wn
Dunn, Agnes Teresa, a.....	Boise
Eastabrooks, Doris Lurlene, ed.....	Gooding
Edelblute, Lawrence Keats, ed.....	Rathdrum
Eldridge, Francis Glover, a.....	Moscow
Ellis, Burton French, a.....	Monida, Mont
Ellis, Francis Gordon, for.....	Idaho Falls
Elrod, George David, ed.....	Pocatello
Elstone, Earl Francis, min.....	Rose Lake
Emerson, Arthur Gustav, bus.....	Kimberly
Emert, Glen Orien, ag.....	Moscow
Erickson, Earl Preston, geol.....	Twin Falls
Fator, Claude Theodore, bus.....	Hailey
Field, Katharine, nurs.....	Emmett
Fisher, Ernest Leroy, ee.....	Moscow
Fletcher, Elliott, bus.....	Richfield
Flood, Frances Margaret, s.....	Portland, Ore
Flower, Camillus Frederick, law	Mabton, Wn
Foley, Madeleine Eleanore, a	Bonnors Ferry
Foss, Roy, a.....	Gifford
Foster, Lucretia Mary, arch.....	Coahuila, Mex
Fowler, Ida Shea, a.....	Moscow
Fox, Charles Edward, for.....	Utica, N Y
Fox, Margaret Mary, a.....	Moscow
Fraser, Rhoda Mae, a.....	Los Angeles, Cal
Frederic, Wilber Hahn, chem	Coeur d'Alene
Freeman, LeRoy Esten, bus.....	Meadows
Freese, George Henry, law.....	Ritzville, Wn
Garnett, Maude Estelle, m.....	Enid, Okla
Gartin, James Woodruff, ce.....	Caldwell
Gault, Howard William, a.....	Buhl
Gilbertson, Mildred, he.....	Moscow
Given, Myron Burns, a.....	Boise
Glad, Sherleigh Elizabeth, bus	Bonnors Ferry
Golden, Richard Merlin, bus.....	Boise
Goldensmith, Russell Victor, bus	Portland, Ore
Gray, Jesse Farrel, bus.....	Moscow
Greene, George Wise, ed.....	Culdesac
Greene, Ruth Isabel, a.....	Moscow
Guernsey, William Gano, for	Yellow Springs, O
Gustafson, Carl Alexander, for	Vancouver, Wn
Haddock, George Boyd, law.....	Shoshone
Hagman, Elmer Robert, ee.....	Priest River
Hamilton, John Brindley, a.....	Nampa
Handy, Norman Palmer, med.....	Kellogg
Harding, Merwin Clark, bus.....	Nezperce
Hare, Mabel Nora, ed.....	Viola
Harley, Cellesta Marguerite, a	Mountain Home
Harris, Byron Eldred, bus.....	Kamiah
Hasfurther, Bernadine Edna, a.....	Genesee
Hasfurther, Madeline Margaret, a.....	Moscow
Hauger, Fred Edward, ee.....	Grangeville
Havens, Glenn George, s.....	Twin Falls
Havens, Olive Emma, he.....	Moscow
Hayward, Howard Henderson, bus	Idaho Falls
Hedge, Leslie William, s.....	Moscow
Heidenreich, Edward Merton, a	Colfax, Wn
Heiss, Clark Leslie, bus.....	Jerome
Hempleman, Lynn Howard, ag.....	Twin Falls
Hess, Weaver W., ed.....	Moscow
Hesslein, Joe, chem.....	Spokane, Wn
Hewitt, Graylord Henry, bus.....	Moore
Hickox, Averitt Case, ag.....	Parma
Hinze, Harriett Fredericka, nurs.....	Boise
Hoffman, Henry Christian, for	Galesburg, Ill
Hoffman, Maurice Owen, a.....	Troy
Holbrook, Joseph Theodore, ee.....	Ola
Holmes, Mildred Louise, a.....	Payette
Homar, Francis Ira, bus.....	Seaside, Ore
House, Virginia Catherine, ed.....	Moscow
Hoyne, Ruby Evelyn, a.....	Boise
Hughes, John Everett, a.....	Roseberry
Hutchinson, James Carl, med	Chewelah, Wn
Hutchinson, Roland Bernerd, bus	Chewelah, Wn
Ide, Gladys Edythe, bus.....	Kellogg
Irish, Egberta Florence, ed.....	Coeur d'Alene
Jackson, Francis Merwin, a.....	Caldwell
Jenks, Clarence Emmett, a.....	Dent
Jennings, Farnsworth Leroy, a.....	Craigmont
Jensen, Elmer Peder, ed.....	Caldwell
Jessup, Bernadine Eva, a.....	Moscow
Johnson, Axel Selmer, ed.....	Mullan
Johnson, Elwood Milo, arch.....	Nezperce
Johnson, Norman Edwin, ed.....	Sandpoint
Johnson, Steven Edward, bus.....	King Hill
Johnson, Virginia Claire, a.....	Tacoma, Wn
Johnston, Royal Harold, for.....	Everett, Mass
Jones, Glen Aubrey, bus.....	Colfax, Wn
Jones, Merlin Verdean, for.....	Firth
Jordan, Lucius DeVaut, min.....	Seattle, Wn
Kayser, Walter William, ag.....	Colfax, Wn
Keel, Wilma Lorine, a.....	Twin Falls
Keith, Edith Margaret, a.....	Gooding
Keith, James Frank, a.....	Melba
Kennedy, John Robert, bus.....	Mullan
Kieldsen, James Norman, a.....	Boise
Kienholz, Mabel Gertrude, m.....	Moscow
Killoran, Clair John, a.....	Emmett
Kincaid, Charles Emerson, bus.....	Lewiston
King, Stella, a.....	Pittsburgh, Pa
Kinyon, Margaret Stephens, ed.....	Boise
Klason, Karl Emmett, bus.....	Coeur d'Alene
Labo, Mary Nina, ed.....	Spirit Lake
Lamielle, Robert Edward, bus.....	Kellogg
Lamphere, Phineas Harold, ee.....	Moscow
Lane, Dorothy Evelyn, ed.....	Lapwai
Larsen, Junius, chem.....	Nampa
Larsen, Mabel Anna, ed.....	Bellevue
Lawrence, Pauline Elizabeth, m.....	Reubens
Lawson, Robert Carpenter, bus.....	Wilder
Leuschel, Paul Julius, Jr., a.....	Wallace
Lindberg, Brewer Eric, ed.....	Post Falls
Lindsay, Adrian Kenneth, geol.....	Hazelton
Little, Georgie, bus.....	Boise
Longley, Laura Alice Goff, ed	Pullman, Wn
Lough, Lillian Madge Williams, ed	Moscow
Lundquist, Armand Hilmer, s.....	Moscow
Lyells, Delno Dale, bus.....	Cascade
McAllister, Purl Marx, bus.....	Lewiston
McAtee, Margaret Ellen, a.....	Twin Falls
McClellan, Sidney, a.....	Grace

- McCollum, Millie Margaret, a.....Orofino
 McConnell, Florence Rosina, he.....Moscow
 McConnell, Margaret Alice, nurs.....Moscow
 McCracken, Jean, a.....Boise
 McDonald, Eva Beatrice, ed.....Fenn
 McDowell, Stanley Forrest, bus.....Tacoma, Wn
 McGrath, Lela Mae, he.....Lapwai
 McKee, Hugh Francis, law.....Boise
 McLeod, William Norman, bus.....Kamiah
 McMurray, John Odell, a.....Oakley
 McRae, Helen Elizabeth, a.....Mullan
 Mac Arthur, Mirth, ed.....Coeur d'Alene
 MacKinnon, John, s.....Sandpoint
 MacPherson, Alexander James, med.....Boise
 Magary, Arthur Meeen, ee.....Fruitland, Wn
 Maloney, Mary Catherine, a.....Nampa
 Manley, William Arnold, arch.....Sedro Woolley, Wn
 Markle, Fabian Orpha, a.....Twin Falls
 Marsh, Frank A., met.....Moscow
 Martin, Winfred Oliver, ag.....Sunterville, Ala
 Martinsen, Frank Henry, ee.....Idaho Falls
 Matthews, Arthur Ray, a.....Boise
 Matthewson, Lucius Edward, a.....Moscow
 Mattson, Alton Bernard, a.....Gooding
 Meakin, Clarence Frank James, ed.....Ferdinand
 Miles, John Ralph, ed.....Culdesac
 Miller, August Ernest, med.....Homer
 Miller, Dorothy Bertha, a.....American Falls
 Mink, Chester Long, ag.....Gooding
 Mitchell, Herbert Voivenelle.....Moscow
 Molinelli, Lambert Fletcher, bus.....Pocatello
 Moll, Charles Raymond, a.....Cottonwood
 Moll, Fred Lester, a.....Cottonwood
 Montgomery, Warren James, bus.....Boise
 Mooney, Frank Lester, ee.....Idaho Falls
 Morgan, Bryce, bus.....Glenns Ferry
 Morgan, Clifford Ellis, ee.....Moscow
 Morgan, Geneva Lois, a.....Mackay
 Morris, Edson Levi, ee.....Lewiston
 Morris, Rayson Pasco, ee.....Potlatch
 Morse, Paul Comins, a.....Coeur d'Alene
 Murray, Carl Harold, bus.....Filer
 Murray, Murvia Catherine, ed.....Yakima, Wn
 Myers, Ralph Emerson, ag.....Caldwell
 Neal, William Frank, bus.....Boise
 Nedros, Edwin, a.....Moscow
 Nelson, Esther Elvira, ed.....Moscow
 Nelson, Helen Evelyn, ed.....Moscow
 Nelson, Katherine Isabel, a.....Priest River
 Nelson, Norman Alexander, bus.....Pasco, Wn
 Nero, Annabelle Amelia, bus.....Moscow
 Nichols, Clara Elizabeth, ed.....Winchester
 Nilsson, Powell Anthony, bus.....Plummer
 Oliver, Emery Ervin, a.....Moscow
 Oliver, Lucien Everett, bus.....Princeton, Cal
 Ondes, Frances Mae, ed.....Kellogg
 Otness, Clara, ed.....Moscow
 Otter, John Vernon, me.....Moscow
 Owings, Tom Samuel, bus.....Moscow
 Park, Charles Raymond, a.....Chester
 Parsons, Edward Earle, ed.....Payette
 Patterson, Elizabeth Cayle, med.....Ferdinand
 Paulson, George M., law.....Twin Falls
 Peairs, Dorothy Isabelle, a.....Seattle, Wn
 Pearson, George Milo, ed.....Salt Lake City, Utah
 Penwell, Iona Madelyn, a.....Moscow
 Pickett, Howard O., bus.....Burley
 Pike, Galen Whittlesey, for.....E. Woodstock, Conn
 Plato, Elton Sheffield, bus.....Bonners Ferry
 Poolton, Truman Lynex, a.....Oakesdale, Wn
 Potter, Donald Clinton, a.....Nampa
 Poulson, Harry Waldemar, bus.....Boise
 Poulton, Elizabeth, bus.....Churchill
 Poulton, Emma J., bus.....Churchill
 Powers, Allan Edward, bus.....Kimberly
 Powers, Frank Joseph, bus.....Kimberly
 Powers, Ray Rufus, ag.....Rupert
 Preuss, Rose Emma, nurs.....Tacoma, Wn
 Pringle, Montazella, bus.....Boise
 Procopio, Carmen Peter, me.....Harrison
 Ramstedt, Belle Lucile Victoria, m.....Moscow
 Rawson, Earl Smith, me.....Moscow
 Reed, Lauren Reginald, bus.....Pittsburg, Pa
 Reed, Myrtle Alice, ed.....Coeur d'Alene
 Reem, Clair Franklin, bus.....Everett, Wn
 Relyea, George Adelbert, me.....New Plymouth
 Richardson, Everett Jesse, a.....Boise
 Richmond, Herbert Ivan, ag.....Gooding
 Rietze, Florence Ethel, ed.....Moscow
 Rinaldi, Charles Albert, bus.....Kellogg
 Robbins, Marjorie Eleanor, a.....Moscow
 Roberts, John Leo, ee.....Malad
 Ross, Onal Orville, for.....Long Beach, Cal
 Rowton, Melvina Myrtle, a.....Kooskia
 Rushton, Winona Emily, ed.....Moscow
 Saling, Wallace Marion, for.....Weippe
 Schutt, Nellie Augusta, he.....Payette
 Schuttler, Norman Nedwin, ee.....Harrison
 Seely, Hazel Esther, a.....Moscow
 Shamberger, Daniel Dwight, ag.....Payette
 Shaw, Elbert Eugene, a.....Boise
 Shaw, Lillian A., a.....Orofino
 Shook, Herbert Hugh, min.....Sandpoint
 Shrontz, Orville Leeroy, a.....Longmont, Col.
 Shy, Marian Josephine, a.....Rupert
 Sies, Ivor Ellsworth, me.....Bonners Ferry
 Simmons, James Lael, law.....Burley
 Simpson, Marjorie Darlene, a.....Moscow
 Sloan, Richard Stanley, bus.....Parma
 Smith, Cecil Leora, ed.....Moscow
 Smith, Helene Harley, ed.....Mountain Home
 Smith, Keith Joseph, s.....Hansen
 Smith, Stanley L., ag.....Gooding
 Space, Jackson Wildin, for.....Weippe
 Spence, Litter Estill, for.....Park Ridge, Ill
 Squibb, Doris Louise, a.....Spokane, Wn
 Stamm, John Frederick, bus.....Bonners Ferry
 Steensland, Kerube Beatrice, a.....Nampa
 Stellmon, Elbert Andrew, law.....Nezperce
 Stephenson, Lulu Mary, ed.....Moscow
 Stevens, Sprague Morgan, law.....Moscow
 Stinimates, Merrill Phillip, bus.....Moscow
 Stockton, Mildred Mary, m.....Parma
 Stoffel, Paul Christian, s.....Cashmere, Wn
 Strobeck, Victor Francis, ed.....Twin Falls
 Stucky, Harold Ralph, ag.....Salesville, Mont
 Stutz, Helen Betty, bus.....Spokane, Wn
 Sullivan, Cleland Garnet, bus.....Rupert
 Suppiger, Bernice Ballard, he.....Moscow
 Swanson, Herman Eugene, a.....Spokane, Wn
 Swanson, Roland Waldamar, ed.....Coeur d'Alene
 Talbott, Curtis LeRoy, ee.....Moscow
 Tallman, Edith Alta, ed.....Moscow
 Tayler, Edward Ernest, a.....Mohawk, N Y
 Taylor, John Robert, law.....Pocatello
 Telford, Charles Witt, ed.....Idaho Falls
 Terry, Irving Burlin, ed.....Plainfield, N J
 Thomason, Edward Alvin, bus.....Sandpoint
 Thompson, Jay Vern, a.....Sterling, Utah
 Thoms, Helen Veronica, a.....Spokane, Wn
 Thorsen, Martin Tollef, ag.....Nezperce
 Tipton, Kenneth McClintock, a.....Boise

Tonnar, Wiley Benjamin, bus	Wendle, Cornelius Clinton, med..Sandpoint
Spokane, Wn	Weskil, Sibyl Hester Wrenn, bus
Toth, Bela, ee.....Coeur d'Alene	Colfax, Wn
Tschirgi, Pearl Eleanor, a.....Boise	West, Elizabeth Beach, a
Tucker, Walter David, bus.....Homedale	Minneapolis, Minn
Tuttle, Russell Lowell, chem	Wetherell, Marion, m.....Mountain Home
Walla Walla, Wn	Wheeler, Helen Grant, a.....Millwood, Wn
Veasey, Ruth Isabel, a.....Chicago, Ill	White, Ruth Hannah, a.....Lewiston
Wadsworth, Alice Lenora, a.....Kellogg	Wilcox, Harley Morris, chem
Ware, Marcus John, law.....Twin Falls	Coeur d'Alene
Warnke, Mildred Bernice, a.....Burley	Wiley, John George, a.....Payette
Warren, Daniel Emerson, ag.....Eagle	Wilson, Louise Jessie, he.....Moscow
Warren, Theodore Roosevelt, ag.....Eagle	Woods, Joseph Ross, bus.....Coeur d'Alene
Weller, Robert John, ce.....Spokane, Wn	Wyman, Lucy, a.....Boise

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(Class of 1928)

Adair, Charles Roy, ag.....Payette	Bernard, Claude Rollins, ee.....Twin Falls
Adams, Clive Linden, bus.....Kimberly	Bertrand, Lloyd Francis, a.....Kellogg
Adams, Edwin Eugene, med.....Jerome	Bevercombe, Gale Reed, a.....Filer
Alford, Albert Larson, a.....Lewiston	Beyer, Edwin Thiemann, a.....Boise
Allen, Cyril Stanford, ag.....Grace	Bickelhaupt, Donald Leslie, s.....Dayton, Wn
Allen, Dale Thomas, for	Biker, John Bernal, for.....Nelson, B C
Cottonwood Falls, Kans	Blackinger, Helen Permeal, a.....Boise
Allen, Fred Robert, for.....Lester, Wn	Blair, John E., Jr., bus.....Spokane, Wn
Allen, Hattie Catherine, ed.....Moscow	Blarjeske, Donald Edward, ce
Allen, James Kenneth, a.....Rosalia, Wn	Green Bay, Wis
Alley, Alice Virginia, a.....Lewiston	Bloom, Lawrence C., for.....Wallace
Ames, Edwin Wright, ag.....Heyburn	Blore, Stephen Walter, ce.....Moscow
Ames, Gertrude Angeline, he.....Burley	Bolander, William George, a.....Moscow
Anderson, Clyde Christen, ee.....Moscow	Booth, Ayleen, a.....Twin Falls
Anderson, Harold Vernon, ed.....Moscow	Bope, Wilma Florence, he.....Boise
Anderson, Lucille Elizabeth, a	Bostwick, Bertha Cary, a.....Coeur d'Alene
Spokane, Wn	Bowen, Agnes, bus.....Boise
Anderson, Mabel Imogene, a.....Moscow	Bower, Stanley, arch.....Sandpoint
Anderson, Philip, bus.....Mountain Home	Bozarth, Edward William, a.....Culdesac
Anderson, William Lewis, for.....Malad	Brabb, Clarence Virgil, bus.....Buhl
Anderton, Frances Elizabeth, he.....Moscow	Bradbury, Victor Allen, bus.....Challis
Anderton, James William Hollis, arch	Bradley, Edward, ed.....Challis
Moscow	Bradley, Kenneth James, a.....Moscow
Angell, Virginia Gilbert, a.....Moscow	Brainard, Rex Charles, a.....Moscow
Applebaum, Barney, bus.....Murtaugh	Brandt, Andrew J., ag.....Nampa
Armbruster, Ray, bus.....Moscow	Brett, Bernice Gertrude, he.....Boise
Arnett, Emery George, arch.....Sandpoint	Briscoe, Henry James, ee.....Cascade, Mont
Arnold, Stanley Dean, ed.....Prescott, Wn	Broadwater, Josephine Helen, a
Ashcraft, Raymond Earl, bus.....Moscow	Havre, Mont
Aungst, William Donald, arch.....Bryan	Brooks, William Freeman, chem.....Mesa
Azcuenaga, Inez, bus.....Boise	Brown, J. Russel, min.....Reubens
Bai, Lester, for.....Moscow	Brown, Mary Lu, a.....Kellogg
Bailey, Mary Louise, he.....Twin Falls	Brown, Otto Rossi, chem.....Kellogg
Baken, Clarence Alfred, me.....Moscow	Brown, Rollie Bud, ed.....Wilder
Baker, John Jay, ed.....Cascade	Brummond, August Theodore, bus.....Moscow
Baker, Joseph William, ag.....Ashton	Bryant, Eula Audrey, ed.....Orofino
Baldwin, Raymond Frank, for.....Twin Falls	Burke, Ernest William, ed.....Moscow
Ball, Hartwell Read, ce.....Denver, Colo	Burke, Mary Patricia, bus.....Spokane, Wn
Banbury, Leigh Winfield, bus.....Wendell	Burleson, Kenneth Pomeroy, ag
Bangs, Roland Nicholas, ce.....Havre, Mont	Palouse, Wn
Barackman, Kinnard Barton, ce.....Moscow	Burnett, James Edward, bus.....Boise
Barnett, Effie, ed.....Moscow	Burnham, Owen Benson, bus
Barron, Ethel Maude, bus.....McCammon	Coeur d'Alene
Bartel, Arthur Theodore, ag.....Aberdeen	Burton, Basil Reyman, ed.....Moscow
Bates, Mildred Naomia, bus.....Moscow	Byrne, Eddie Patrick, a.....Richfield
Bauman, Eugene Glenn, bus.....Lewiston	Call, Violet Bernice, ed.....Rigby
Baumgartner, Frederick, ee.....Genesee	Callahan, Eleanor Jean, a.....Spokane, Wn
Bauscher, Fae, ed.....Carrol	Calvert, Arnold, s.....Lewiston
Beebe, Eugene Harold, me.....Gooding	Campbell, Helen Verna, bus.....Moscow
Beier, Donald Raymond, bus.....Council	Campbell, Irvin Alfred, for.....Portland, Ore
Bell, Bessie Amelia, a.....Boise	Canine, Herbert Irving, ed.....Burley
Bell, Georgia Mae, ed.....Kendrick	Carney, Charles Eaton, chem.....Moscow
Benedict, Alameda, ed.....Moscow	Carpenter, Archie Claude, ed.....Moscow
Benson, George Berger, a.....Coeur d'Alene	Carr, William Walter, min.....Shoshone
Bentz, Charles Edwin, for.....Whitebird	Carroll, Lucile Theodora, a.....Creston, Wn

- Carroll, Robert Lee, bus.....Weiser
 Carter, Carrell Neva, ed.....Moscow
 Castle, George A., a.....Spokane, Wn
 Cato, Stewart Charles, bus.....Everett, Wn
 Chaffee, George Hjort, ee.....Pocatello
 Chamberlain, Lawrence Henry, ed.....Moscow
 Chaney, Orval Earnest, bus.....Middleton
 Chapman, Nellie Julia, nurs.....Boise
 Charbonneau, Rollin Hansen, bus.....Priest River
 Chisholm, Hugh Monroe, bus.....Spokane, Wn
 Christen, Ruth, ed.....Heyburn
 Christensen, Claude Carret, s.....Idaho Falls
 Christensen, John Mat, ed.....Firth
 Christiansen, Roy Merrill, ag.....Downey
 Clare, Pauline, a.....Cambridge
 Clark, Margaret Cordelia, a.....Boise
 Cleaver, Donald Louis, bus.....Caldwell
 Cline, Murtha Kent, bus.....Springdale, Wn
 Cluen, John Raymond, med.....Moscow
 Collette, Elsie Jean, a.....Burley
 Collier, Claire Barton, a.....Spokane, Wn
 Collins, Ruth Love, a.....Moscow
 Condell, Mary Lucile, ed.....Moscow
 Connaughton, Charles Arthur, for
 Placerville
 Cook, David Warren, for.....Everett, Mass
 Coon, Wilfred Austin, a.....Gooding
 Cornelison, Alton, Beddall, bus.....Moscow
 Cornelison, Meroe Esther, he.....Moscow
 Corum, Memphis Letha, he.....Moscow
 Cottrell, Blendine Anita, bus.....Emmett
 Coughlan, Harry W., arch.....Montpelier
 Cowels, Vern Lawrence, chem.....Kellogg
 Cox, Phillip Wendell, bus.....Kellogg
 Craig, Franklin Curtiss, ee.....Whittier, Cal
 Craig, Victor Melvin, for.....Avery
 Craven, Imogene, a.....Twin Falls
 Crom, Stanley Stephen, bus.....Twin Falls
 Cromwell, John Frederic, med.....Gooding
 Croy, Paul Robert, s.....Clarkston, Wn
 Croy, Wyman William, ee.....Clarkston, Wn
 Cuddy, Katherine Louise, a.....Boise
 Cuddy, Margaret Elizabeth, a.....Boise
 Culligan, Alice, ed.....Moscow
 Curtis, Elizabeth, med.....Weiser
 Curtis, Lorin Weston, ee.....Emmett
 Curtis, Patience Ayres, he.....Weiser
 Dagman, Elmer Karl, ee.....Moscow
 Dale, Myrtle Grace, ed.....Moscow
 Davis, Artemus Darius, ed.....Burley
 Davis, James Elsworth, bus.....Burley
 Davis, John Wesley, bus.....Glenns Ferry
 Davis, Milo Bruce, ag.....Twin Falls
 Dawald, Arthur Leslie, a.....Lapwai
 Dayton, Joseph Darrell, bus.....Montpelier
 Dean, Alfred Lyle, chem.....Moscow
 Dean, Kenneth Franklyn, for
 Dresden, N Y
 De Hass, Hurbert, for.....Cascade
 Deiss, Joe Thomas, bus.....Twin Falls
 DeLane, LaFern Nathan, ee.....Wardner
 DeRiemer, Louis Mortimer, a.....Spokane, Wn
 Devery, Frank Edward, bus.....Reubens
 Dewey, William Cornelius, Jr., a.....Nampa
 Dick, Marian Ellen, bus.....Mountain Home
 Dickinson, Margaret Wilson, a.....Hagerman
 Donaldson, Dean Leroy, arch.....Troy
 Doty, Kenneth LeRoy, ed.....Kamiah
 Dougherty, Rose Marjorie, ed.....Cabarton
 Downer, Ernest Raymond, for
 Sioux City, Ia
 Drager, Marjorie, a.....Bellevue
 Duff, Clint John, a.....Plainfield, N J
 Duffy, Charles Warren, bus.....Melba
 Duffy, William John, a.....Gifford
 Dunkley, Mildred, he.....Moscow
 Dunn, Dolly Rita, ed.....Boise
 Durbin, Forrest William, bus.....Troy
 Durfee, Maude, a.....Tuttle
 Dutton, Robert Roosevelt, a.....Boise
 Eaton, Lucile, bus.....Emmett
 Edmunds, Glen Arthur, bus.....Idaho Falls
 Edwards, Kenneth Barton, a.....Spokane, Wn
 Edwards, Mary Evelyn, bus.....McCammon
 Ehrhardt, Dorothy Chase, a.....Lewiston
 Eklund, Ellen Evelyn, a.....Burley
 Elder, Constance Elizabeth, a
 Coeur d'Alene
 Elliott, Edith D., he.....Moscow
 Elliott, Robert George, ee.....Moscow
 Ellsworth, Harold Walker, a.....Idaho Falls
 Ellsworth, Ronald Stanton, a
 Jamestown, N D
 Ellsworth, Willard Fisher, bus.....Rigby
 Emskamp, Adolph Henry, bus.....Moscow
 Equals, Edward Walter, a.....Payette
 Erickson, Henning Orval, bus
 Coeur d'Alene
 Erickson, Leonora, ed.....Moscow
 Erickson, Ralph, ed.....Pocatello
 Erickson, William Seth, ed.....Lewiston
 Evans, Sylva Mildred, ed.....Dover
 Evans, Howard Whittington, ag.....Twin Falls
 Farmin, Ellamae, a.....Sandpoint
 Farnsworth, Marvin, a.....Kimball, Neb
 Felthouse, Marguerite Anna, a
 New Plymouth
 Fischer, Henry Adolph, for
 Mount Vernon, N Y
 Fisher, Donald, bus.....Moscow
 Fisher, Douglas Williams, bus.....Moscow
 Fisher, Fred Augustus, a.....Newport, Wn
 Fisher, Irma, a.....Reubens
 Fisher, Mary Frances, nurs.....Weiser
 Fisher, McLean Kangy, me.....Lewiston
 Fisher, Robert Arthur, ee.....Porthill
 Flack, Gordon Lester, for.....Spokane, Wn
 Fleming, Bernard Paul, bus.....Burke
 Fleming, Marion Daniel, s.....Boise
 Flesher, Margaret Helen, bus
 Vancouver, Wn
 Foster, Donald, bus.....Colville, Wn
 Fowler, Allen Reed, bus.....Boise
 Franck, Sara Elizabeth, a.....Spokane, Wn
 Frye, Thomas Delos, a.....Boise
 Fuhrman, Andrew Wendell, ag.....Franklin
 Fuller, Melvin Francis, for.....Orofino
 Fullerton, Claude R., for.....Duncan, Ariz
 Funke, Alfred John, ag.....Cottonwood
 Gamwell, Hope, a.....Moscow
 Garlinghouse, Gerald Gilbert, bus.....Lewiston
 Garmo, George Albert, for.....Bellingham, Wn
 Gay, Dorothy Marie, ed.....Portland, Ore
 Giffen, Robert Malcolm, ee.....Twin Falls
 Gihring, George John, a.....Twin Falls
 Gillette, Gayle Iva, he.....King Hill
 Glenn, Pearl Addie, bus.....Boise
 Goodwin, Blanche Mae, ed.....Harrison
 Gorrie, Dorothy Phyllis, a.....Deary
 Gould, George Lester, bus.....Council
 Graham, John, a.....Spokane, Wn
 Grant, Virginia Lucille, a.....Spokane, Wn
 Gratz, Helen Margaret, s.....Boise
 Greeling, Merritt Monroe, Jr., med
 Nyssa, Ore
 Green, Martha Helen, a.....Los Angeles, Cal
 Greene, Harold Jay, bus.....Centralia, Wn
 Greer, Harold Peak, for.....King Hill
 Greer, Mary Nye, a.....Sandpoint
 Gregory, Charles Arthur, for.....Chicago, Ill
 Gribble, Maryon Earl, a.....Hagerman

Griffith, Clarence James, bus.....Burley	Jenkins, Clarke Scovil, ee.....Kellogg
Gustafson, Philip Melville, arch Evanston, Ill	Jennings, George Edwards, med Spokane, Wn
Hagan, Edgar Bernard, ce.....Brooklyn, N Y	Jensen, Alfred Edward, for.....Caldwell
Hagen, Grace, a.....Spokane, Wn	Jensen, Helen May, he.....Rupert
Hahn, Fred Philip, for.....Spokane, Wn	Johnson, Edward Temple, a.....Lewiston
Hall, Blanch Idaho, he.....Eagle	Johnson, Ernest, bus.....Blackfoot
Hall, John Merlyn, med.....Mountain Home	Johnson, Fred Maxwell, ce.....Craigmont
Hall, Ray Addison, bus.....Lewiston	Johnson, Gerald Clarence, bus.....Moscow
Hamilton, Harold Samuel, a.....Nampa	Johnson, George Albert, me.....Twin Falls
Hamilton, Ralph Dyer, me.....Kamiah	Johnson, Glen, a.....Kellogg
Hammer, Carl Edward, bus.....Centralia, Wn	Johnson, Joe Allison, bus.....Twin Falls
Hanley, Anna Teresa, bus.....Cottonwood	Johnson, Laree, ed.....Coeur d'Alene
Hansen, May Florence, bus.....Moscow	Johnson, Leslie William, ee.....Weiser
Hanson, James Roy, chem.....Havre, Mont	Johnson, Lloyd G., s.....Lenore
Hanson, Evelyn Esther, ed.....Kendrick	Johnson, Milton Marion, bus.....Boise
Harding, Lucy Elizabeth, a.....Spokane, Wn	Johnson, Vera Elizabeth, a.....Nezperce
Hardwick, Mac T., ee.....Jerome	Johnson, Walfred, for.....Lowell, Wn
Harkness, Henry Orville, ee.....McCammon	Johnson, Willard Leslie, bus.....Moscow
Harman, Leonard Franklin, ee.....Boise	Jones, Harry E., bus.....Spokane, Wn
Harriman, Helen Dorothy, bus Soda Springs	Jones, Kenneth Ray, ce.....Blackfoot
Harrison, Marva, a.....Pocatello	Jones, Vette, a.....Rigby
Hasfurther, Vincent Joseph, for.....Genesee	Joslin, Florence Alma, m.....Idaho Falls
Hatfield, Bernadine Anne, bus.....Moscow	Kail, Clara Eleanor, m.....Twin Falls
Hatley, Evelyn Bernice, med.....Princeton	Kamps, Charles Allan, bus.....Post Falls
Hattrup, Hubert Edmond, ee.....Cottonwood	Kauffman, Alton Theodore, for.....Orofino
Haug, Gordon William, bus.....Moscow	Kayser, Wilburn Lewis, s.....Palouse, Wn
Haut, Irvin Charles, for.....Mitchell, S D	Kellberg, Theodore Roosevelt, ee.....Troy
Hawkins, Janet Adena, a.....Emmett	Kelley, Thyra Deacon, ed.....Opportunity, Wn
Hayward, Doyle Edson, ee.....Southwick	Kelly, Richard Carlos, med.....Pocatello
Hayward, Harold Louis, geol.....Idaho Falls	Kelly, Thomas Gilbert, bus.....Coeur d'Alene
Heath, Bertrand E., bus.....Moscow	Kelly, William James, ee.....Troy
Hendrick, Neil Wesley, for.....Willapa, Wn	Kennedy, Archie Alexander, bus.....Blackfoot
Heggie, Tracy Lorain, for.....Montpelier	Kerr, Chester Raymond, bus.....Twin Falls
Helfert, Jessie, he.....Palouse, Wn	Kester, Hartley Palmer, a.....Spirit Lake
Helphrey, Peggy Elizabeth, a.....Sandpoint	Keyser, Marion Francis, bus.....Challis
Henderson, Donald Wesley, arch Cashmere, Wn	Kidwell, Leonard Harry, bus Walla Walla, Wn
Henry, Lee Roy, s.....Moscow	Kieswetter, Oscar Max, for.....Houston, Tex
Henry, Robert Travis, med.....Moscow	Kincaid, Hazel Ruby, a.....Boise
Higgs, Richard Ayer, ce.....Fairfield	King, Dale Franklin, ag.....Caldwell
Higley, Genevieve Edith, bus.....Winchester	King, Ethel Leola, ed.....Moscow
Hill, Constance Marion, ed.....Filer	King, Richard Duncan, ee.....Boise
Hill, Howard Edwin, chem Stevensville, Mont	Kingston, James Wesley, ee.....Dietrich
Hill, John Logan, a.....Kimberly	Kinnier, Opal Frances, bus.....Genesee
Hilton, Aileen, bus.....Granger, Wn	Kling, Frederick Louis, a.....Lewiston
Hoffman, Walter William, bus.....Parma	Knight, Howard Ray, a.....Spokane, Wn
Hogue, Frank Herbert, Jr., bus.....Payette	Knox, Minnie Mae, a.....Emmett
Hogue, Richard Franklin, a.....Payette	Knudson, Evelyn Caroline, ed.....Kellogg
Holder, Gladys Jewel, ed.....Moscow	Koenigs, Cletus Richard, a.....Spokane, Wn
Holmes, Clarence Raymond, chem.....Cabarton	Koster, Clara Theresa Marie, bus.....Moscow
Honeywell, Alene, a.....Moscow	Krause, Fred W., bus.....Spokane, Wn
Honeywell, Jesse McFarland, med.....Moscow	Kulick, Faust Joseph, me.....Odessa, Russia
Hopkins, Glenn David, a.....Spokane, Wn	Kyle, David Ross, ed.....Kooskia
Horne, Presley F., Jr., a.....Caldwell	Lafferty, Ethel Stanford, a.....Spokane, Wn
Horning, Theodore Roosevelt, ag Portland, Ore	LaFond, Winifred Beth, a.....Nampa
Howe, Lowell La Grave, ed.....Plummer	Laird, Juanita Mae, he.....Coeur d'Alene
Howe, Lucile Caroline, ed.....Plummer	Lang, Ralph Paul, ee.....Harrison
Hower, John Henry, a.....Waitsburg, Wn	Lange, Lawrence Herman, min.....Spokane, Wn
Hughes, Hugh Hubert, for.....Los Angeles, Cal	Lansdon, Floyd Wilbur, a.....Boise
Hulburd, Virginia Lee, ed.....Spokane, Wn	Large, Frank, bus.....Dayton, Wn
Hunter, Grace Alice, a.....Rupert	Larsen, George Gilbert, a.....Rexburg
Hunter, Helen Hammo, he.....Moscow	Larson, Edith Marie, bus.....Coeur d'Alene
Hurt, John Errol, bus.....Burley	LaRue, Herbert Herschel, ag.....Meridian
Husted, Esbon Russel, bus.....Twin Falls	Lathrop, Maurice Darrel, a.....Priest River
Huston, Edith Rosina, bus.....Mullan	Leaton, Gladys, a.....Challis
Hutchinson, Paul Vernon, med Chewelah, Wn	Ledesma, Honorato, min.....LaGrande, Ore
Inwards, Harry Lee, a.....Tumwater, Wn	Lee, Harold Eugene, for.....Everett, Mass
Jackson, Herschel Henry, chem.....Weiser	Lemon, William Harvey, a.....Emmett
Jacoby, Glen James, a.....Bonners Ferry	Lennox, Edith Gertrude, a.....Moscow
Janes, Edna Lucile, a.....Kendrick	Level, Eleanor Jane, ed.....Davenport, Wn
	Libby, Olive Furness, ed.....Moscow
	Lloyd, Wayne Charles ag.....Spokane, Wn
	Logan, Robert Grant, bus.....Spokane, Wn
	Logue, Eugene Cecil, med.....Bancroft

- Lokken, Theodora Isabel, ed
 Hettinger, N D
 Long, Kathryn Francis, med...Veradale, Wn
 Long, Leroy Ernest, bus...Weiser
 Longmire, Thelma, a...Moscow
 Love, Ralph Edwin, a...Filer
 Lucinger, Eugene Paul, ee...Walla Walla, Wn
 Luft, Albert, med...Endicott, Wn
 Lundquist, Alice, ed...Moscow
 Luvaas, Norman Daniel, bus...Moscow
 Lyle, James M., Jr., med...Lewiston
 McAtee, Frayne Leigh, ce...Twin Falls
 McAuley, Charles Edwin, med...Emmett
 McCall, Clarence Joseph, bus...Caldwell
 McConaghy, Henrietta, he...Coeur d'Alene
 McConnel, Helen L., ed...Boise
 McCown, Mary Violet, ed...Palouse, Wn
 McDonald, Eleanor, a...Wallace
 McDonald, Elston Palmer, bus...St. Anthony
 McDowell, Kenneth John, med...Tacoma, Wn
 McKim, Floyd Alex, for...Lansing, Mich
 McMahan, Elizabeth Jayne, a...Lewiston
 McMillan, Lucille Marie Catherine, m
 St. Maries
 Magleby, Sterling, ag...Thornton
 Maloney, Gertrude Elizabeth, arch
 Missoula, Mont
 Manning, James Henry, Jr., ed...Moscow
 Manning, Philip Clair, ed...Moscow
 Marchesi, Kenneth Hugh, bus...Kellogg
 Matheny, Cassie Inez, bus...Moscow
 Mattenson, Norma Violet, nurs...Boise
 May, Walter Lyle, a...Kendrick
 Melgard, Alice Gladys, he...Moscow
 Merrill, Beardslee Bliss, bus...Spokane, Wn
 Merriman, Russell Hubert, ee...St. Joe
 Merritt, Martha Elizabeth, bus...Vay
 Milender, Edna Lillian, m...Caldwell
 Miles, Todd Robert, a...Emmett
 Miller, Charley Walter, ee...Nezperce
 Miller, Cleo Ferrol, he...Moscow
 Miller, Helen Shirley, a...Tacoma, Wn
 Miller, Henry Kinkade, bus...Kellogg
 Miller, Marjorie Elma, a...Nezperce
 Milliken, Helen Elizabeth, bus...Nampa
 Mitchell, John William, chem...Parma
 Mitchell, William Wilson, for
 Wilmington, Del
 Moliter, Raymond Charles, a...Spokane, Wn
 Montgomery, Annie Abbalene, a
 Bozeman, Mont
 Moody, Willy Elizabeth, a...Sandpoint
 Mooney, Harry Leroy, arch...Idaho Falls
 Moore, Raymond Morden, arch...Boise
 Moore, Robert J., bus...Moscow
 Moore, Troy, med...Buhl
 Moran, William James, a...Bellevue
 Moriarty, Anna Agnes, ed...Cottonwood
 Morris, Clara May, ed...Potlatch
 Morris, Floyd W., bus...Moscow
 Morris, Mary Mabel, a...Spokane, Wn
 Morrow, Howard Vernon, ee...Cascade, Mont
 Mortenson, Anna Fananda, bus...Moscow
 Moser, Gwendolyn Lou, a...Lewiston
 Moulton, Earl Russell, for...Lynn, Mass
 Mushlitz, Arba Robert, ee...Moscow
 Musser, Jessie Edwards, ed...Moscow
 Naidas, Nasario Lacuesra, ag...Philippine Is
 Nancolas, Edith Marie, bus...Filer
 Neifert, Helen, a...Boise
 Neighbor, Albert Leonard, a...Moscow
 Nelson, Carl Augustine, bus...Moscow
 Nelson, Lester James, ag...Kendrick
 Nelson, Marion, a...Rose Lake
 Nelson, Rudolph Victor, a...Moscow
 Newman, Allen DeWitt, ed...Culdesac
 Newman, Mary Ellen, ed...Twin Falls
 Newton, Harold Hawley, a...Colfax, Wn
 Nibler, Crawford Wilson, ag...Middleton
 Nibler, Victor Lawrence, bus...Middleton
 Nims, Lenore Mary, a...Cottonwood
 Noh, Hazel Beatrice, ed...Twin Falls
 Nowels, Viola Emily, ed...Aberdeen
 Nye, John, bus...Twin Falls
 Oberg, Florence Marie Axeline, m...Moscow
 O'Donnell, Grover William, bus
 Portland, Ore
 Oliver, Mary Elizabeth, ed...Burley
 O'Neil, Kenneth, bus...Moab, Wn
 Oiler, Alice Therasia, he...Moscow
 Olsen, Albert, a...Horseshoe Bend
 Olson, Joseph Clarence, bus...Moscow
 Oram, Dorothy Emelyn, a...Boise
 Ostrander, Romine C., a...Spokane, Wn
 Otter, Floyd Leslie, bus...Moscow
 Overman, Mary Emily, bus...The Dalles, Ore
 Packer, Floyd Lyman, bus...Nampa
 Paisley, John Benge, min...Spokane, Wn
 Parmar, Charn Singh, chem...Baddoon, India
 Parsons, Milton Roy, bus...Hagerman
 Partner, Margaret Lucile, he...Aberdeen
 Payne, Lulu Clare, a...Idaho Falls
 Pearson, Marion William, ee...Weiser
 Peavey, Arthur J., Jr., a...Twin Falls
 Pence, Katherine, ed...Payette
 Perkins, Marie Eleanor, he...Moscow
 Perry, Mildred Eleanor, bus...Moscow
 Petersen, Kenneth Landyse, bus...Moscow
 Peterson, Arvid A., bus...Potlatch
 Peterson, Austrid Evelyn, bus...Newberg, Ore
 Peterson, Avery Frederick, bus...Boise
 Peterson, Eleanor Rowena, a...Moscow
 Peterson, Irene Theodora, bus...Moscow
 Phelps, Alice Emily, he...Moscow
 Pierce, Wellington Cochrane, bus...Twin Falls
 Piercy, Esther June, a...Boise
 Pitts, Helen Ruth, ed...Meridian
 Pizarro, Louis Serrano, med...Philippine Is
 Platt, W. Emerson, a...Caldwell
 Plummer, Mary Louise, ed...Colfax, Wn
 Plumlee, Roy Grant, a...Burke
 Powers, Fred Arthur, me...Kimberly
 Pratt, Mildred Lucile, he...Dubois
 Prendergast, John Benjamin, Jr., bus
 Kellogg
 Quilliam, Philip Henry, Jr., a...Lewiston
 Quillian, Bill Vennard, a...Boise
 Ramstedt, Allen Swan, bus...Moscow
 Ramstedt, Mary Evangeline, a...Wallace
 Randall, Agnes Kay, a...Moscow
 Randall, Lloyd, bus...Moscow
 Rathbun, Alice Gertrude, ed...Moscow
 Rathbun, Anna May, ed...Idaho Falls
 Rayl, Mary Ellen, a...Twin Falls
 Rector, Charles Mugler, for...Bryan, O
 Reed, Harriet Elizabeth, a...Coeur d'Alene
 Reed, Roberta Mae, ed...Coeur d'Alene
 Reich, Edward William, bus...Pittsburgh, Pa
 Reid, Elva, a...Colfax, Wn
 Reid, Gladys Elizabeth, ed...Prescott, Wn
 Remsberg, Ruth Elizabeth, a...Rupert
 Richardson, Clarence Merlin, bus...Inkom
 Richardson, Gladys Marie, a...Hooper, Wn
 Richardson, John Lewis, for
 West Newton, Mass
 Richey, Frances Louise, a...Spokane, Wn
 Ridge, Susie May, a...Moscow
 Rigney, Darrel Paul, for...Jerome
 Rigney, Jesse Ward, for...Jerome
 Rink, Glenn Edwin, bus...Moscow
 Ripplinger, Gertrude Olga, ed...Moscow
 Ripplinger, Leah Emma, ed...Moscow

Roberts, James Douglas, a.....Hastings, W. Va	Sumsion, Alma Byrd, for.....Chester, Utah
Robins, Kenneth William, ee.....Parma	Svensgaard, Vera, bus.....Tensed
Robinson, Franklin Duestin, ag.....Boise	Swim, Walton G., bus.....Twin Falls
Rodgers, Beryl, he.....Moscow	Tarr, Della Myrl, a.....Cambridge
Roise, Elmer Manford, bus.....Moscow	Taylor, Ralph Albert, ee.....Mohawk, N Y
Rooks, Gail Leland, ee.....Spirit Lake	Taylor, Floyd, bus.....Burley
Ross, Alice Lyle, a.....Nampa	Taylor, Lois Elizabeth, a.....Weiser
Ross, George Andrew, bus.....Moscow	Taylor, Richard Herman, ee.....Sandpoint
Rowberry, Valene, ed.....Twin Falls	Terry, Mabel Lorraine, m.....Plaza, Wn
Rule, Edwin Raymond, a.....Spokane, Wn	Thomas, David Williams, ed.....Malad
Rule, John Hall, a.....Arlington, Wn	Thomas, Richard Sheridan, bus
Samms, Mary Ruth, ed.....Boise	Walla Walla, Wn
Sanborn, Edith Adell, a.....Spokane, Wn	Thomason, Jesse Lenard, ee.....Emmett
Sanger, Harry Clifford, bus.....Payette	Thompson, Everet Lockwood, bus.....Roberts
Saulcy, Albert Eugene, ag.....Wendell	Thompson, Gladine Victoria, a.....Lewiston
Schmitz, Lawrence Donald, ee.....Cambridge	Tinker, Harold Arby, bus.....Pocatello
Scholtz, Erma Marilyn, a.....Mountain Home	Tolman, Dorothy Frances, bus.....Boise
Schoonover, Verna Pollyan, he.....Moscow	Torgeson, Helen Jeanette, ed.....Moscow
Schroeder, Violet Elaine, ed.....Moscow	Trueman, Lila Ann, bus.....St. Maries
Schumann, Gilbert Vopel, min.....Colfax, Wn	Tuininga, Ralph Donald, ce.....Hope
Schuttler, Harry Rollin, a.....Medimont	Turinsky, Otto, ee.....Sandpoint
Scott, Robert Alexander, a.....Coeur d'Alene	Urdike, Mary Frances, a.....Weiser
Seely, Theodore Allen, for.....Belfast, N Y	Ursula, Sister Mary, a.....Moscow
Selby, Irving Remsburg, a.....Spokane, Wn	Utt, Archie Leroy, ag.....Eden
Severance, Walter Owen, chem.....Kimberly	Valmonte, Leonardo Arevalo, ee
Sharp, Bertha Olive, he.....Moscow	Philippine Is
Sharp, Eva Blanche, ed.....Moscow	Van Hardenberg, Carl Melson, ee.....Kootenai
Shea, Doris Naoma, bus.....Moscow	Van Valkenburg, Catherine, ed.....Priest River
Shelby, Lucy Ramona, he.....Long Beach, Cal	Vickrey, Dwight Reginald, for.....Firth
Sherman, Frederick Buren, s.....Boise	Virs, Dorothy Aileen, bus.....Boise
Sherman, Gail Howard, m.....Portland, Ore	von Ende, Eunice Ankeney, a.....Moscow
Shirk, Marlys Arlene, a.....Rathdrum	Walker, Luxie, a.....Opportunity, Wn
Shirley, Beatrice, ed.....Spokane, Wn	Walker, Raymond Everett, for.....Ashton, Wn
Shy, Myra Lois, a.....Rupert	Walmsley, Wilfred Wal Wyn, ce.....Parma
Silverthorne, Glenn Raymond, bus.....Lewiston	Ward, Robert Donovan, for.....Bryan, O
Simmons, Agnes Louise, a.....Kellogg	Ware, Eugene Spencer, a.....Coeur d'Alene
Simon, Clara Bernice, bus.....Cottonwood	Wartman, Gilbert, me.....Boise
Simon, Margaret Frances, a.....Cottonwood	Weed, Crystal Edna, a.....Council
Simpson, Harrison Hudson, Jr., a.....Moscow	Weeks, Leon Lester, a.....Boise
Sinsel, Frank Callaway, bus.....Boise	Welker, Herman Orville, a.....Weiser
Sjoberg, Harry Francis, ed.....Firth	Wendle, Rex, for.....Sandpoint
Sluka, Andrew E., bus.....Boise	Werner, Nels Emil, me.....Moscow
Smaulding, Bazz Owen, a.....Seattle, Wn	Weston, Mildred, a.....Spokane, Wn
Smith, Beryl Thelma, a.....Moscow	Whitaker, Richard Bliss, bus.....Boise
Smith, Don Cary, a.....Spokane, Wn	White, Ralph W., ag.....Boise
Smith, Embla, ed.....Deary	White, Robert Leland, med.....Buhl
Smith, Glenn Wilson, bus.....Moscow	White, Ronald Cedric, a.....Lewiston
Smith, Goldie May, ed.....Boise	Whitman, Eugene Winfield, ag.....Soda Springs
Smith, Luella Jayne, a.....Grangeville	Whitney, Willard Milton, arch
Smith, Marion Madeline, a.....Potomac, Mont	Aberdeen, Wn
Smith, Woodruff, min.....Madison, Minn	Whitten, Albert Heath, ee.....Grimes Pass
Snyder, Faxton Eldon, med.....Orofino	Wicher, James Woodmore, bus.....Hammett
Soderberg, Louis Albin, bus.....Orofino	Wikis, David Louis, for.....Coeur d'Alene
Sokolnikoff, Annie, a.....Harbin, China	Wikstrom, Loring Darr, bus.....San Diego, Cal
Solberg, Lawrence Arthur, chem.....Elk River	Wiley, Lester Vernon, s.....Nampa
Somerville, Watson Goodrich, bus.....Lewiston	Wilkinson, Burdette Lee, arch.....Spokane, Wn
Sorensen, Erma, a.....Emmett	Williams, Floyd Edward, for.....Rosalia, Wn
Sowder, Dorothy Gwendolyn, a	Williams, Joe R., ed.....Boise
Coeur d'Alene	Willoughby, Ida E., ed.....Orofino
Stahl, Earle, for.....Rigby	Wilson, Edna Violet, a.....Moscow
Stanton, Claude Wesley, bus.....Kendrick	Wilson, Nina Mary, he.....Moscow
Stapleton, Audrey Lee, a.....Nezperce	Wood, Harvey, Edgar, chem.....Kimberly
Stark, Lyell Ward, ed.....Hagerman	Woodard, Eva, ed.....Loomis, Wn
Steffens, Herman Walter, med.....Blackfoot	Woody, Ralph Oscar, bus.....Kendrick
Stellmon, Hazel, a.....Nezperce	Wunderlich, Alvina June, he.....St. Maries
Stoddard, Edmund, a.....St. Anthony	Wunderlich, Herbert John, a.....St. Maries
Stone, Vivian Elizabeth, he.....Nampa	Wyman, Berniece Lucile, a.....Boise
Stout, Charles Shiells, a.....Glenns Ferry	Yaggy, Elinor Mary, a.....Nampa
Stowers, Lorin Greysen, a.....Kimball, Neb	Yarborough, Ethel Algera, he.....Moscow
Stroud, Charles Crawford, Jr., for	Yeamans, Mrs. Ruth Martin, ed.....Idaho Falls
Natchitoches, La	Yeomans, Eugene Walter, a.....Boise
Stuart, John Kennedy, bus.....Jerome	Yost, George Lee, a.....Boise
Stuart, Lyle Edison, bus.....Sandpoint	Yost, Roy Herman, ee.....Moscow
Stuhlfeier, Mildred Fredericka, a	Youngs, Ruth Agnes, a.....Twin Falls
Coeur d'Alene	Zaring, Hector Alvin, bus.....American Falls
Styner, Truman Leonard, ee.....Moscow	Zundel, Reed, a.....Malad
Sudderth, Faye Luella, bus.....Moscow	

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Allen, Nora E., a.....	Moscow	Kirkham, Ruby Bauer, a.....	Moscow
Austin, George Milnes, law.....	Waynesboro, Va	Larson, Arthur August, law.....	Moscow
Blomquist, Francis Leonard, bus.....	Shelley	Larson, William Andrew, min.....	Spokane, Wn
Bue, Borghild, nurs.....	Moscow	Lough, Samuel Robert, ed.....	Moscow
Chaney, Bessie Frances, bus.....	Grangeville	Lieuallen, John Wesley, bus.....	Moscow
Clark, Benton, for.....	Moscow	McAtee, Richard Hiram, ed.....	Moscow
Click, Frank Wardin, bus.....	Lewiston	McCrea, Walter Gordon, bus.....	Moscow
Coyle, Francis Scott, ag.....	Chillicothe, Mo	McDonald, Alice, ed.....	Salmon
Deuel, Mary Avis, a.....	Moscow	Madden, Thomas Aloysius, law.....	Lewiston
Emert, Dollie Lee, bus.....	Moscow	O'Neill, Julia, a.....	New Haven, Conn
Ficke, Arthur Benj., ag.....	Payette	Page, Milford McKane, for	Union Springs, N Y
Field, Jonathan Robinson, law.....	Emmett	Papineau, Ambrose Edgar, ag.....	Moscow
Frost, Levi Milword, for.....	Salina, Kans	Patterson, Daniel Pollard, ed.....	Spokane, Wn
Gillett, Harlin Weller, for.....	King Hill	Patterson, James Earl, bus.....	Sedais, Okla
Hagman, Irvn Saunders, bus.....	Moscow	Phelps, Timothy Guy, a.....	Mountain Home
Hamm, Tom Colville, bus.....	Lindsay, Okla	Robbins, Raymond Laurance, a.....	Moscow
Harris, Marguerite, a.....	Moscow	Settle, John Edwin, ag.....	Moscow
Hartman, Shirley Fred, ed.....	Winchester	Su, Lansing, min.....	Shantung, China
Hatch, Alden Bruce, for.....	Philadelphi, Pa	Wheeler, Mrs. R. K.....	Spokane, Wn
Hayes, Teresa Sullivan, a.....	Moscow	Worthington, Lynn Carlton, ag.....	Boise
Holt, Dean George, me.....	Caldwell		
Horton, John, bus.....	Garfield, Wn		

UNCLASSIFIED STUDENTS, 42

SPECIAL STUDENTS IN MUSIC

Addington, Mary, violin.....	Lewiston	Larsen, Myrtle, piano.....	Genesee
Anderson, Marie, piano.....	Moscow	Lyons, Jean, piano.....	Moscow
Andre, Angela, piano.....	Moscow	Marden, Dan, violin.....	Moscow
Bennett, Grace L., voice.....	Moscow	Martin, Margaret, piano.....	Moscow
Briggs, Beatrice, piano.....	Moscow	Messenger, Dorothy, violin.....	Moscow
Brigham, Forrest, voice.....	Moscow	Miklos, Jack D., violin.....	Moscow
Brucker, Helen, violin.....	Moscow	Miller, Smith, piano.....	Moscow
Burch, Frances, piano.....	Moscow	Rink, Fannie, piano.....	Moscow
Burton, Miriam, piano.....	Moscow	Schwartz, Marion, violin.....	Moscow
Collins, Katherine, piano.....	Moscow	Smith, Evangeline, violin.....	Moscow
Collins, Zena, voice.....	Moscow	Sterner, Lionel, violin.....	Moscow
Dahm, Cora, piano.....	Moscow	Stroebel, Sterling, violin.....	Moscow
Eldridge, Grace, piano.....	Moscow	Throckmorton, Lucy, voice.....	Moscow
Frei, Mabel Iona, piano.....	Moscow	Trowbridge, Howard, clarinet.....	Moscow
Frei, Violet Lucile, piano.....	Moscow	von Ende, Carl A., violin.....	Moscow
Hampton, Alice J., piano.....	Moscow	Wigan, Ragna, piano.....	Moscow
Hallada, Artylee, violin.....	Moscow	Wilson, Margaret, piano.....	Moscow
Hallada, Florence M., voice.....	Moscow	Yarborough, Iris, violin.....	Moscow
Johnson, Adah, voice.....	Moscow		

SPECIAL STUDENTS IN MUSIC, 37

NON-RESIDENT STUDENTS

Subjects are designated thus: agriculture, *ag*; bacteriology, *bact*; botany, *bot*; civil engineering, *ce*; chemistry, *chem*; economics, *econ*; education, *ed*; English, *Eng*; forestry, *for*; French, *Fr*; geology, *geol*; German, *Ger*; history, *hist*; Latin, *Lat*; mathematics, *math*; music, *mus*; philosophy, *phil*; physical education, *pe*; psychology, *psych*; zoology, *zool*.

Achum, Mrs. R. V., ed.....	Middleton	Case, Sherman Calvin, math.....	Sweetwater
Ahlson, Charles Boone, econ.....	Boise	Chisholm, Hugh Monroe, psych, geol	Spokane, Wn
Alford, Eugenia Alice, ed.....	Lewiston	Christian, Ella V., bot.....	Mackay
Allanson, Ethyl F., Fr.....	Bonnors Ferry	Clinger, A. W., for.....	Blackfoot
Barlogi, Marguerite F., econ, Eng.....	Moscow	Colthrop, Francis Richard, hist.....	Hollister
Barnum, Alice Mildred, psych.....	Mica	Conrad, John F., ed.....	Coeur d'Alene
Beach, Julia E., ed.....	Gem	Cook, Seldon, econ.....	Dingle
Bean, George Elmer, ed.....	Blackfoot	Cornelison, Harold, econ.....	Moscow
Becwar, Julia, hist.....	Cheney, Wn	Cromwell, Alfred Bertrand, ed.....	Ferdinand
Bennett, Donald Allen, ed.....	Bonnors Ferry	Culley, Robert L., ag.....	Rupert
Blanks, Robert F., ed.....	Hollister	Cunningham, James Edward, Fr	Spokane, Wn
Boosinger, Fay Morris, ed.....	Moscow	Dilley, Joseph, ed.....	New Meadows
Booth, John M., psych.....	Coeur d'Alene	Dimick, Howard, math.....	Shreveport, La
Braden, H. H., econ.....	Sandpoint	Eagar, James H., ed.....	Sugar City
Breneman, Lauren E., econ, psych, ed	Moscow	Faulkner, J. Craton, econ.....	Moscow
Bristol, Carol Nason, hist.....	Moscow	Fifield, Edwin Willard, Lat, zool.....	Arimo
Bundy, Bryan Bertie, ed.....	Culdesac	Finley, Nona Vivian, econ, Eng.....	Moscow
Campbell, Oren Floyd, psych.....	Joseph, Ore	Fisher, Don C., hist.....	Coalin
Carpenter, William C., ed.....	Deary		

Fisher, Irma, geol.....	Spokane, Wn	Person, Eugene, ed.....	Veradale, Wn
Fitzke, Paul Frederick, econ.....	Coeur d'Alene	Powell, Metta J., econ.....	Caldwell
George, Guy G., ed.....	Coeur d'Alene	Prentice, Della, hist.....	Jerome
Glover, Letta Campbell, psych.....	Desmet	Price, Willard, econ.....	Montpelier
Good, Nimrod, econ.....	Rigby	Priest, Marianna, ed.....	Boise
Gorrie Dorothy Phyllis, ed.....	Deary	Ramalingam, S., for.....	Madura, So. India
Green, Jennie A., psych.....	Avery	Rasmussen, John Oscar, econ.....	Moscow
Hager, Studie B., psych.....	Kimberly	Ryan, Cecil C., ed.....	Moscow
Haley, Jennie May, econ.....	Boise	Schaefer, Elizabeth, ed.....	St. Maries
Harbison, Joseph H., for.....	Dayton, O	Scharbach, Alfred W., math.....	Princeton
Harrington, Elred R., ed.....	Shoshone	Schroeder, Otto Whitefield, ed.....	Deary
Hayes, H. G., ag.....	Eden	Scott, Lena L., ec.....	Culdesac
Haymond, Elizabeth Gertrude, psych.....	Moscow	Severance, Clarabelle, psych, zool.....	Moscow
Hedge, Lola, econ, zool.....	Moscow	Shaw, Frank E., econ.....	Genesee
Heighton, Harry Wack, econ.....	Kimberly	Shaw, Lillian A., ed.....	Orofino
Howe, John William, ed.....	Harrison	Shepard, Gertrude, psych.....	Havre, Mont
Hunter, Elra Lorn, econ.....	Moscow	Shrontz, Orville Leroy, psych.....	Longmont, Colo
Immisch, Eleanor, ed.....	Spokane, Wn	Sibert, George C., psych, ed.....	Moscow
Jensen, Ernest C., pe.....	Craigmont	Sipple, Nellie Manning, ed.....	Kingston
Jones, Catherine, ed.....	Challis	Smith, Marion, ed.....	Granite
Jones, Sara, D., econ, ed.....	Moscow	Somers, Frederic L., psych, ed.....	Rexburg
Jones, Winifred, econ, hist.....	Palouse, Wn	Springer, Eugene Elizabeth, econ, Fr, Eng.....	Boise
Kalenowski, Weldon, Ger, econ, ed.....	Blanchard	Springer, Margaret, hist, Fr, phil.....	Boise
Keeney, Lynne, econ, hist.....	Troy	Stauffer, Leslie John, for.....	Rose Lake
King, Cameron, ed.....	Moscow	Stinson, Elton S., ed.....	Malta
Laker, M. E., hist.....	Malta	Stovick, Anton, for.....	Cleveland, O
Landon, Max M., Eng, math.....	Moscow	Summers, G. W., ed.....	Post Falls
Leistner, Lillie M., math.....	Palouse, Wn	Taney, Lucy Ann, Fr.....	Pocatello
Lowe, Janice, hist.....	Council	Taylor, William Henry, ed.....	Twin Falls
Lowe, Mae, econ.....	Wallace	Thompson, Harry Daniel, ed.....	New Plymouth
Lucas, Dan Boone, psych, ed.....	Plummer	Tolman, Philip Sidney, ed, psych.....	Boise
Luzodder, Helen Wilson, hist.....	Nampa	Tonnar, Wiley B., ed, econ.....	Spokane, Wn
Maltman, Jennie Rebecca, ed.....	St. Anthony	Torsen, Esther Morris, ed.....	Potlatch
Manion, Orville M., econ.....	Meridian	Trousdale, Sarah Ellen, Eng.....	Idaho Falls
Marineau, Fred Joseph, ed, econ.....	Moscow	Van Houten, Elinor E., Eng.....	Buhl
Martin, Louisa, econ, Eng.....	Moscow	Vasquez, Alberto, Eng.....	Moscow
McRoberts, Esther Helen, ed, psych.....	Idaho Falls	Wodsdalek, Hazel Phillips, ed.....	Moscow
Meskill, Loretta M., econ.....	Clarkston, Wn	Walker, Florence Marie, econ, ed, hist.....	Wallace
Miner, Verna Howard, math.....	Rockland	Walsdorf, Chester W., hist.....	Moscow
Moody, Almira Irene, psych.....	Moscow	Wampler, Kirk, ed.....	Downey
Movold, Ralph A., ed.....	Eden	Ware, James V., econ, psych.....	Grandview
Mullin, Henry J., ce.....	La Grande, Ore	West, Alice, hist.....	Meridian
Murphy, Caroline, econ.....	Moscow	West, Thomas P., econ.....	Pocatello
Murray, Thomas H., ed.....	Whitney	Whiteside, Charles J., ed.....	Riggins
Musgrove, Bessie, econ.....	Payette	Williamson, Fay, Lat, hist, for.....	Pioneerville
Nelson, David W., Eng, psych.....	Rexburg	Wilson, Eva Jane, econ.....	Payette
Nevelt, Thomas Waldo, ed, hist.....	Moscow	Woelflen, Irene M., econ, hist.....	Moscow
Nillo, Marcelo V., hist.....	Cosmopolis, Wn	Yeomans, Arthur J., ed.....	Gooding
Nogle, Archie, hist.....	Newport, Wn	Zackrisson, Hannah Victoria, hist.....	Moscow
Palmer, Amy A., ed.....	Nampa	Ziebarth, John Anton, Jr., ed, psych.....	Pocatello
Palmer, Jesse T., geol, ed.....	Bancroft		
Patch, Vernon T., ed, psych.....	Payette		

NON-RESIDENT STUDENTS, 139

SCHOOL OF PRACTICAL AGRICULTURE

Designations are: first year, 1; second year, 2; third year, 3; dairy course, d.

Allanson, Claire E., d.....	Laclede	Holt, Carlton B., d.....	Moscow
Beck, Theodore, d.....	Seattle, Wn	Hoobnagle, Bruce LeRoy, 1.....	Nampa
Bowman, Ralph Hugo, d.....	Macleway, Fla	Humphrey, Elmer N., 1.....	Moscow
Carpenter, Archie Claude, 1.....	Moscow	Johnson, Aldine, 1.....	Coeur d'Alene
Clark, Benton, 1.....	Moscow	Larsen, Fred, Jr., 1.....	Soda Springs
Cone, James Frank, d.....	Parma	Lloyd, Charles Wayne, 1.....	Spokane, Wn
Farnsworth, Marvin, 1.....	Kimball, Neb	Loveless, Curtis G., d.....	Sterling
Fitch, Harry N., 1.....	Shelley	Matter, Jake, d.....	Boise
Forrester, Joseph Harold, 2.....	Felt	Neal, Beecher, 1.....	Moscow
Gamble, Willie, 1.....	Moscow	Newman, Billy, d.....	Nampa
Gerlach, Walter Carl 1.....	Payette	Papineau, Felix Paul, 1.....	Moscow
Groom, Glenn, d.....	Rigby	Pearson, Marion W., d.....	Weiser
Hancock, James Arthur, d.....	Rigby	Phelps, Allen, 1.....	Moscow
Hite, Cecil J., d.....	Weiser	Pike, Gaylord Everest, 1.....	Burley
Holland, Burton, d.....	Rigby	Riggers, Karl William, 1.....	Nezperce

Skotdal, Almer Goodwin, d.....Seattle, Wn
 Smith, Wilfred Justin, 1.....Moscow
 Tiegs, Edwin Payson, 2.....Nampa
 Tiegs, Herbert A., 2.....Nampa

Stroeve, Hans W., 1.....Moscow
 Wilson, Albert D., 3.....Emmett
 Young, James Cyrus, 1.....St. Anthony
 SCHOOL OF PRACTICAL AGRICULTURE, 23
 FIVE MONTHS' DAIRY, 14

PLACEMENT TRAINING

Bilger, Fred M.....	Weiser	Linck, Arthur R.....	Weiser
Bloom, Robert A.....	Boise	Lofquist, Reuben.....	Weiser
Borup, Benj. F.....	Boise	Ludlow, William.....	McCammon
Bowles, Arthur.....	Weiser	McCaulay, Edward H.....	Twin Falls
Brooks, Clark F.....	Twin Falls	Nelson, Alfred A.....	Twin Falls
Burley, Leland C.....	Boise	Panceast, Donald.....	Boise
Burns, Leland C.....	Boise	Pilkerton, Homer.....	Boise
Collins George.....	Boise	Quary, John D.....	Twin Falls
Coy, Francis J.....	McCammon	Ritchie, Carl E.....	Twin Falls
Dindham, Leo C.....	Twin Falls	Sims, Thomas E.....	McCammon
Ferrin, Clevis.....	Twin Falls	Snelson, Leonard.....	Twin Falls
Fitch, Scott M.....	Weiser	Sweet, Raymond E.....	McCammon
Flynn, Charles D.....	Twin Falls	Swigert, Wilford.....	Boise
Gordon, William G.....	Weiser	Tate, William T.....	Boise
Hacker, Paul E.....	Boise	Thomas, Elvin D.....	McCammon
Heaton, Jess W.....	Twin Falls	Teney, Joseph W.....	Weiser
Henry, Robert.....	Boise	Tueller, Oliver.....	Boise
Jackson Leonard.....	Boise	Woodruff, Torrey B.....	Weiser
Keltner, Thomas.....	Boise	Woods, Frank E.....	Boise
Kendall, Robert.....	Twin Falls	Woolf, Milo H.....	McCammon
Knudson, Knud.....	Boise		

PLACEMENT TRAINING, 41

TRACTOR SHORT COURSE

Cunningham, Carl C.....	Moscow	Olson, Carl.....	Moscow
Dennler, Georg Fred.....	Juliaetta	Olson Hjalmer.....	Moscow
Devine, Joe.....	Moscow	Reames, Victor G.....	Potlatch
Gormsen, Peter.....	Moscow	Scharbach, William J.....	Colton, Wn
Hart, Orval E.....	Moscow	Smith, Walter.....	Troy
Hippner, Alfred.....	Moscow	Stricker, William.....	Lewiston
Horney, Merrill.....	Moscow	Swanson, C. V.....	Moscow
Iverson, Gilbert.....	Moscow	Van Deusen, Dudley H., Jr.....	Emmett
Lyon, Otha.....	Moscow	Wallen, Harry.....	Moscow
Olson, Arthur.....	Moscow		

TRACTOR SHORT COURSE, 19

FOREST RANGERS

Beauregard, Clayton.....	Fillmore, Utah	Roat, Celeste A.....	Red Lodge, Mont
Bergman, Harold E.....	Bark River, Mich	Smith, William H.....	Moscow
Case, George W.....	Columbus, Kan	St. Mar, Albert W.....	Moscow
Coleman, William W.....	Cascade	Tucker, Gerald J.....	Elgin, Ore
Collins, Arthur Edward.....	Victoria, B. C.	Weinmann, Attlee O.....	Orofino
Dawson, Robert Bruce.....	Cranbrook	Wells, Harold E.....	Moscow
Hambers, Howard C.....	Moscow	Whitaker, Clarence.....	Elba
Hume, John Fred.....	Nelson, B. C.	Whitaker, Frank Sanford.....	Elba
Hupe, Andrew M.....	Spokane, Wn	Whiting, George M.....	Spokane, Wn
Noyes, Sherman Abram.....	Donald, Wn		

FOREST RANGERS, 19

SUMMER SCHOOL, 1924

(Exclusive of Graduate Students)

Allen, Vada Jazel.....	Moscow	Bean, Mattie Genevieve.....	Sweet
Anderson, Eugene Hughes.....	Malad	Boosinger, Augustus John.....	Albion
Arntzen, Jeanetta.....	Moscow	Breneman, Lauren Elbert.....	Garfield, Wn
Ashcraft, Maude Gertrude.....	Moscow	Bristol, Carol Nason.....	Moscow
Axtell, Mildred.....	Moscow	Brown, Glenna Stewart.....	Cottonwood
Babcock, Ethel Peyton.....	Coeur d'Alene	Brown, James Russell.....	Reubens
Barlogi, Marguerite Fontaine.....	Hagerman	Burke, Genevra Genevieve.....	Moscow
Barnes, Norma.....	Idaho Falls	Burkett, Benjamin Scott.....	Seattle, Wn
Barrus, Benjamin Harrison.....	Oakley	Caldwell, Bessie May.....	King Hill
Barstad, Amy Karine.....	Indianapolis, Ind	Caldwell, Verne Vincent.....	King Hill
Barton, Editha.....	Moscow	Campbell, George Otto.....	Portland, Ore
Batchelor, Harold Winthrop.....	Moscow	Campbell, Oren Floyd.....	Portland, Ore
Bates, Dorothy Elizabeth.....	Moscow	Carmel, Sister Mary.....	Moscow
Bates, Mildred Naomia.....	Moscow	Carter, Carrell Neva.....	Moscow

Casey, Florence Madeline.....Juneau, Alaska	MacDowell, Viola Alberta.....Rimby, Alta
Clark, Isabel Wadsworth.....Portland, Ore	Marineau, Fred Joseph.....Coeur d'Alene
Collins, Kathryn.....Moscow	Martin, Louisa.....Moscow
Condell, Mary Lucile.....Moscow	Meskeil, Loretta Marguerite.....Gooding
Cooper, Mary Edith.....Princeton	Messenger, Loren Eliot.....Moscow
Cornelison, Alton Beddall.....Moscow	Minger, Millie Maude.....Boise
Cox, Margaret Ellen.....Kendrick	Morse, Morris Webster.....Moscow
Davis, June Ransom.....Moscow	Morrison, I. Rhodes.....Orofino
Dayton, Beatrice.....Arco	Murphey, Caroline.....Boise
Dickinson, Mary Agnes.....Hagerman	Nelson, Arvid Richard.....Moscow
Draper, Hazel.....Moscow	Nevitt, Mabel Delana.....Plummer
Dysart, Fern May.....San Francisco, Cal	Nevitt, Thomas Waldo.....Plummer
Eaton, Walter Purdy.....Mountain Home	Nicol, Henry.....Reubens
Ebbley, Mary Demerise.....Wallace	Nogle, Archie Walter.....Newport, Wn
Eichner, Mabel Kathryn.....Kendrick	O'Reilly, Helen Eleanor.....Potlatch
Finley, Nona Vivian.....Mount Ayer, Ia	Oslund, Anne Marie.....Troy
Fowler, William Sherman.....Wendell	Otness, Gertie.....Moscow
Fox, Richard Anthony.....Moscow	Otness, Mabel.....Moscow
Frizelle, Harriette Jane.....Coeur d'Alene	Peters, Josie.....Glen Allen, Mo
Gamble, Elizabeth.....Moscow	Putnam, Howard Eugene.....Whiting, Ind
Gamble, Lola.....Moscow	Pitcher, Carter Lee.....Moscow
Gauer, Marie.....Payette	Pizarro, Orsino Ranchez.....Philippine Is
Gesellchen, Helen Angela.....Genesee	Ramstedt, Agnes.....Moscow
Glendenning, Mary C.....Moscow	Rasmussen, John Oscar.....Nampa
Good, Nimrod.....Albion	Rodgers, Bertha Hall.....Moscow
Green, Giles Sampson.....Kooskia	Rushton, Matilda.....Manchester, Mich
Haley, Jennie Mary.....Boise	Rushton, Winona Emily.....Manchester, Mich
Hall, Maurine Elizabeth.....Coeur d'Alene	Schott, Lena Louise.....Culdesac
Hansen, Josie Bernice.....Moscow	Seely, Hazel Esther.....Moscow
Hanson, Evelyn Esther.....Kendrick	Selby, Florence Marguerite.....Boise
Harris, Frances.....Kellogg	Shepard, Jennie.....Weiser
Heathe, Frank McKinley.....Moscow	Sibert, George Cannon.....Bonners Ferry
Hedge, Lola.....Moscow	Simpson, Marjorie Darlene.....Moscow
Hemingway, Grace Irene.....St. Maries	Smith, Marion.....Cocolalla
Hemmert, Mildred Louise.....Moscow	Smith, Natasha.....Cocolalla
Hoisington, Carl Wallace.....Plummer	Smith, Ted Roosevelt.....Spokane, Wn
Hooper, Monica Mulhern.....Kellogg	Smith, Rosemary.....Cocolalla
House, Virginia Catherine.....Moscow	Soffe, Rhea Viola.....Rigby
Howe, John William.....Harrison	Sokolnikoff, Annie.....Harbin, China
Huffman, Frances Joy.....Moscow	Somers, Frederick Lewis.....Moscow
Humphrey, Kathryn Elizabeth.....Moscow	Somers, Maud L.....Moscow
Ison, Harrison.....Blackfoot	Stanton, Helen Marjorie.....Moscow
Jenness, Louise Bertrand.....Weiser	Taylor, Ida May.....Moscow
Kalinowski, Weldon.....Moscow	Thulin, Henning William.....Idaho Falls
Keane, Joanna Josephine.....Moscow	Tierney, Agatha Agnes.....Lewiston
Keeler, William Edward.....Portland, Ore	Trousdale, Sarah Ellen.....Idaho Falls
Keeney, Lynne.....Troy	Ursula, Sister Mary.....Moscow
Kershnik, Frank Joseph.....Burley	Wagstaff, Mary L.....Brigham City, Utah
Knudson, Christina Kello.....Kellogg	Ware, James V.....Moscow
Larson, Allen K.....American Fork, Utah	Weholt, Carl Alfred.....Harpster
Leistner, Lillie M.....Palouse, Wn	West, Thomas Payne.....Pocatello
Lennox, Edith Gertrude.....Moscow	Wicks, Mary Joe.....Moscow
Libby, Imogene Estella.....Moscow	Williams, Lewis M.....Boise
Little, Georgie.....Boise	Wilson, Margaret.....Moscow
Little, Jean Fife.....Spokane, Wn	Wolfe, Colette Alice.....Twin Falls
Longmire, Thelma.....Moscow	Woelflen, Irene Margaret.....Lewiston
Long, Rema Alene.....Coeur d'Alene	Worthington, Lynn Carlton.....Boise
Longley, Laura Alice.....Moscow	Yarborough, Ethel Algera.....Moscow
Lough, Madge Williams.....Moscow	Yarborough, Nora.....Moscow
Lough, Samuel Robert.....Moscow	Zachrison, Hannah, Victoria.....Kulm, N. D
Lowe, Mae.....Burley	UNDERGRADUATE AND SPECIAL STUDENTS, 151
Lowe, Janice Lillian.....Council	GRADUATES IN SUMMER SHOO.....51
McCrea, Walter Gordon.....Kendrick	

TOTAL IN SUMMER SCHOOL.....202

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

SUMMARY					STATES OTHER THAN IDAHO				
	College	Special Courses	Non-Resident	Summer School		College	Special Courses	Non-Resident	Summer School
Idaho	1386	96	162	175	Arizona	1	0	0	0
States other than Idaho	259	13	18	22	California	10	0	0	0
Territories and Foreign Countries	24	4	2	5	Colorado	4	0	2	0
					Delaware	1	0	0	0
					Florida	1	0	0	0
					Illinois	5	0	0	0
Total	1669	113	182	202	Indiana	1	0	0	0

COUNTIES IN IDAHO

	College	Special Courses	Non-Resident	Summer School
Ada	135	1	25	7
Adams	7	0	2	1
Bannock	35	0	11	1
Bear Lake	3	0	3	1
Benewah	13	0	2	4
Bingham	24	2	3	1
Blaine	8	0	0	0
Boise	4	0	3	0
Bonner	47	1	4	6
Bonneville	24	0	2	5
Boundary	7	0	1	1
Butte	2	0	0	1
Camas	2	0	0	0
Canyon	60	4	6	3
Caribou	2	1	0	0
Cassia	27	3	1	5
Clark	3	0	0	0
Clearwater	21	1	0	2
Custer	6	0	2	0
Elmore	21	0	0	3
Fraklin	4	0	1	0
Fremont	9	1	2	0
Gem	19	2	0	0
Gooding	23	0	1	5
Idaho	28	3	2	2
Jefferson	12	3	0	2
Jerome	10	0	4	0
Kootenai	72	1	8	7
Latah	408	66	31	92
Lemhi	3	0	1	0
Lewis	34	1	1	2
Lincoln	9	0	0	0
Madison	4	0	3	0
Minidoka	17	0	1	0
Nez Perce	61	0	4	7
Oneida	13	0	0	1
Owyhee	3	0	1	1
Payette	18	1	4	1
Power	6	0	1	0
Shoshone	63	0	8	5
Teton	3	1	0	0
Twin Falls	89	0	16	2
Valley	8	2	0	4
Washington	19	2	8	3
Total.....	1386	96	162	175

STATES OTHER THAN IDAHO

	College	Special Courses	Non-Resident	Summer School
Arizona	1	0	0	0
California	10	0	0	0
Colorado	4	0	2	0
Delaware	1	0	0	0
Florida	1	0	0	0
Illinois	5	0	0	0
Indiana	1	0	0	1
Iowa	3	0	0	0
Kansas	2	0	0	0
Massachusetts	4	0	0	0
Michigan	1	1	0	2
Minnesota	2	0	0	0
Missouri	0	0	0	1
Montana	11	2	1	1
Nebraska	2	0	0	0
New Jersey	1	0	0	0
New York	5	0	0	0
North Dakota	3	0	0	1
Ohio	3	0	0	0
Oregon	21	2	2	4
Oklahoma	5	0	0	0
Pennsylvania	5	0	0	0
South Dakota	1	0	0	1
Tennessee	1	0	0	0
Texas	3	0	0	0
Utah	4	1	0	0
Virginia	1	0	0	0
Washington	152	7	13	11
West Virginia	1	0	0	0
Wisconsin	3	0	0	0
Wyoming	2	0	0	0
Total.....	259	13	18	22

TERRITORIES AND FOREIGN COUNTRIES

	College	Special Courses	Non- Resident	Summer School
Alaska	1	0	0	1
Canada	2	4	0	0
China	3	0	0	1
India	1	0	2	0
Mexico	1	0	0	0
Philippine Islands	11	0	0	2
Porto Rico	1	0	0	0
Russia	2	0	0	0
South America	2	0	0	0
Total.....	24	4	2	5

CONSOLIDATED ENROLMENT TABLE, YEAR 1924 TO MARCH 21, 1925

COLLEGE, COURSE
OR CURRICULUM

COLLEGE	Graduates			Seniors			Juniors			Sophomores			Freshmen			Unclassed			Total by Curricula			Total by Colleges		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
COLLEGE OF LETTERS AND SCIENCE..	21	16	37	44	57	101	68	84	152	125	90	215	239	192	431	9	11	20				506	450	956
Arts	6	11	17	18	32	50	24	55	79	44	52	96	82	107	189	1	8	9	175	265	440			
Science	14	3	17	4	4	8	3	8	11	7	2	9	10	1	11				38	18	56			
Pre-Medical Studies				3		3	6		6	9	1	10	20	3	23				38	4	42			
Home Economics		2	2		17	17		16	16		13	13		32	32					80	80			
Business	1		1	18	3	21	31	5	36	61	11	72	115	38	153	8	2	10	234	59	293			
Music				1	1	2				6	6	12	1	6	7				2	13	15			
Architecture							4		4	4	1	5	11	2	13				19	3	22			
Pre-Nursing										4	4	8		3	3		1	1		8	8			
COLLEGE OF AGRICULTURE	9		9	24		24	10	1	11	22		22	25		25	5		5				95	1	96
COLLEGE OF ENGINEERING	5		5	12		12	35		35	38		38	78		78	1		1				169		169
Civil Engineering	1		1	4		4	6		6	4		4	11		11				26		26			
Electrical Engineering				5		5	18		18	21		21	44		44				88		88			
Mechanical Engineering	3		3	2		2	5		5	6		6	9		9	1		1	26		26			
Chemical Engineering	1		1	1		1	6		6	7		7	14		14				29		29			
COLLEGE OF LAW				15		15	11		11	13		13				4		4				43		43
SCHOOL OF MINES	6		6	8		8	9		9	10	1	11	8		8	2		2				43	1	44
Mining Engineering				5		5	6		6	7	1	8	7		7	2		2	27	1	28			
Geology	2		2	2		2	2		2	2		2	1		1				9		9			
Metallurgy	4		4	1		1	1		1	1		1							7		7			
SCHOOL OF FORESTRY	1		1	8		8	25		25	20		20	50		50	5		5				109		109
SCHOOL OF EDUCATION	6	4	10	13	18	31	27	46	73	22	31	53	24	61	85	4	1	5				96	161	257
TOTAL IN REGULAR CURRICULA..	48	20	68	124	75	199	185	131	316	250	122	372	424	253	677	30	12	42				1061	613	1674*
SPECIAL COURSES																						84	29	113
Music																			8	29	37			
Ranger																			20		20			
S. P. A.																			23		23			
Dairy																			14		14			
Tractor																			19		19			
NON-RESIDENT																						120	62	182
Credit																			77	62	139			
Non-Credit																			2		2			
Placement Training																			41		41			
SUMMER SCHOOL	32	19	51	(Undergraduates	49	96	145)						(Special Music	6	6)							81	121	202
TOTAL																						1346	825	2171
Less names entered more than once:																						58	88	146
NET TOTAL																						1288	737	2025

*Deduct five for mid-year graduates taking graduate work.

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