

**COLORADO AGRICULTURAL COLLEGE
BULLETIN**

**FORT LEWIS SCHOOL
CATALOG — 1927-28**



SERIES 26

JULY, 1927

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THE FORT LEWIS SCHOOL
OF
The Colorado Agricultural College
Hesperus, Colorado

The Fort Lewis School, located near Hesperus, Colorado, is under the direction of the State Board of Agriculture and is a part of the Agricultural College system of Colorado.

The officers of the Board are:

- A. A. Edwards, President.....Fort Collins, Colorado
 E. R. Bliss, Vice-President.....Greeley, Colorado
 L. M. Taylor, Secretary.....Fort Collins, Colorado

FACULTY

- Lory, Charles A., A.M.S., LL.D., D.Sc., President.....Fort Collins, Colorado
 Snyder, G. F., M.S., Dean.....Hesperus, Colorado
 Bader, E. H., B.S., Vice Dean and Science.....Hesperus, Colorado
 Brooks, C. C., B.A., Mathematics and History.....Hesperus, Colorado
 Enloe, Viola, B.A., English and History.....Hesperus, Colorado
 Alden, C. N., B.S. and B.E., Languages and Education....Hesperus, Colorado
 Longenbaugh, Dillon, B.S., Animal Husbandry.....Hesperus, Colorado
 _____, Spanish and French.....Hesperus, Colorado
 _____, MusicHesperus, Colorado

COLLEGE AND SCHOOL CALENDAR

- Registration.....September 6, 1927
 Thanksgiving Vacation.....November 23 to 27, 1927
 Christmas Vacation.....December 23, 1927, to January 2, 1928
 Close of First Semester.....January 13, 1928
 Registration for second semester.....January 16, 1928
 Spring Vacation.....March 30 to April 8, 1928
 Commencement Exercises.....May 25, 1928
 Summer School—College Work.....June 11 to August 17, 1928

LOCATION AND ENVIRONS OF THE FORT LEWIS SCHOOL

Fort Lewis is located at the foot of the La Plata mountains on an extensive reserve of 6,300 acres of agricultural and timber land owned by the state. Flowing thru the reserve is the La Plata river, lined with stately cottonwoods and pines, contributing to the attractions of the valley and supplying water for irrigating crops on the reserve. The altitude is 7,600 feet and the climate is delightfully invigorating and healthful. Pure water, abundant sunshine, fertile fields, the best of Nature's playgrounds for recreation, all combine to make Fort Lewis a most healthful and pleasant place.

Situated in the southwest corner of the state of Colorado, hundreds of miles from any institution of higher learning, in one of Nature's favored spots, is located the Fort Lewis School of Agriculture—a little school that has had large ambitions for the young people who came there. To a certain extent their dream is being realized. The school, tho small, has turned out graduates who are making good at college and in their various fields of endeavor. Nearly 50 percent of its graduates have gone to college and practically all of them have made good.

Now the State Board of Agriculture has seen fit to offer college work at Fort Lewis. No more ideal location could be found anywhere for an institution of higher learning. The climate is ideal—not too cold in winter nor too hot in summer. The campus is beautiful. The surrounding country abounds in scenic beauty. There is no more advantageous location in the United States for the study of geology and archaeology.

Here amid Nature's delightful and healthful surroundings, free from the distracting influences of the city, but with all of its conveniences—good water, electric lights, steam heat, sanitary plumbing, excellent housing and well-equipped laboratories, with instructors selected for character as well as scholastic fitness—is a place we can unhesitatingly recommend for all-year study.

Nor do we neglect the physical and recreational. The mountains are in easy access for trips and hikes. Fine tennis courts, a splendid gymnasium, a moving-picture machine, motor busses with careful drivers are among the provisions made for looking after that phase of student life.

RAILROAD, MAIL, TELEPHONE AND TELEGRAPH

The nearest railroad depot is at Hesperus, five miles north of Fort Lewis, on the Rio Grande Southern railway. Durango, the county seat of La Plata County, is fourteen miles east of Hesperus.

Mail is received and delivered at Fort Lewis from Hesperus every day except Sunday.

The school owns its own telephone line to Durango, and campus lines. The Fort Lewis office may be reached by local or long-distance telephone, or by telegraph to Durango or Hesperus. Mail, express and freight should be sent to Hesperus, Colorado, in care of Fort Lewis.



A Glimpse of the School Buildings Across the Pasture.

LIFE AT FORT LEWIS

Life at Fort Lewis is wholesome and conducive to profitable study. The students and faculty live virtually as one big family, and there are none of the undesirable distractions the proximity of a town so frequently supplies.

Nor is there lack of diversion and recreation. The neighboring woods and mountains offer enticing nooks for picnics and expanses for hikes; there are tennis, basketball, baseball games and athletic field days, and meetings of the Ammons Literary Society, and other forms of entertainment. Good moving pictures are shown once a month and radio concerts are frequent, made possible by first-class moving-picture and radio machines.

CLOTHING AND BEDDING

Students should bring with them the following: Bedding, three pillow cases and one pillow; four sheets for single beds; one or two pairs of heavy blankets and two comforts; the necessary clothing and toilet articles, good heavy shoes and overshoes or rubbers, and coveralls or overalls, for shop work.

Girls coming to Fort Lewis should bring white curtains forty-seven inches long and thirty-six inches wide, having inch hems at the top, for their room window.

A curtain thirty-one by seventy-one inches for the clothes-closet door and a table cover are needed. They should be of the same material.

Many of the girls and boys bring their own rugs.

SUNDAY EXERCISES

Sunday school meets at eleven o'clock on Sundays. Frequently there are religious services Sunday afternoon or evening. The Young People's Society meets every Sunday evening.

OPPORTUNITY TO EARN WHILE AT SCHOOL

It is possible for a number of students to do janitor, kitchen, dining-room, campus and farm work to apply on their board accounts. No promises can be made concerning the rate of pay or amount of work until after the faculty is well acquainted with a student and his ability to do class work and hand labor.

ATHLETICS

The school supports a number of athletic teams during the winter, and the students and faculty use the tennis courts very freely during the summer and fall.

LIVESTOCK

The school has a fine herd of registered Hereford cattle, a herd of Holsteins for dairy purposes, good Oxford and Rambouillet sheep, Duroc-Jersey hogs and fine Percheron horses.

EXPERIMENTAL WORK

The Colorado Experiment Station has a man at Fort Lewis in charge of experimental work with grains, grasses, clovers, peas and potatoes.

ENROLLMENT

All who desire to become students at Fort Lewis are requested to make application at least three weeks before the opening of the term, and obtain permission to enter before coming to the school. Enroll early.



Reading Room in the Boys' Dormitory



One of the Dormitories

BUILDINGS

The building equipment consists of two girls' dormitories (one modern dormitory now building), one boys' dormitory, one dormitory for farm men; one gymnasium, two buildings containing laboratories, library, class and assembly rooms, one power house, one shop and garage, two greenhouses, one dining room, kitchen and cold storage combined, one office, six residences, one farm shop, one dairy and dairy barn, one horse barn, two large hay sheds, one large implement shed, two or three smaller sheds, three garages and three large storage buildings.

All buildings are electric lighted and the school buildings are steam heated and supplied with running water. Arrangements are now under way to enlarge the capacity and equipment of laboratories and the library.

The dormitory for the boys is a model of neatness and convenience, well lighted, sanitary, steam heated, supplied with shower rooms, and a large recreation and reading room with a cheery fireplace. The beds are arranged for outdoor sleeping with warm, individual rooms in which to dress and study. The building is of brick with metal roof, and houses fifty-four boys.

The cold-storage plant, greenhouse, garage and farm-motors classroom add greatly to the convenience and usefulness of the school plant.

The garage and shops have been enlarged and better equipped; a modern brick dairy barn has been built and a well-equipped dairy added.

The dormitory, formerly occupied by the boys, has been converted into a very commodious and comfortable recitation and science building.

A new boiler was installed and the old boilers reset, thus giving ample heating and power capacity for years to come. The new greenhouse is a real source of joy, helping to satisfy one's love of beauty and his desire for fresh vegetables.

Among the improvements made at Fort Lewis during 1925 were new engines and generators, new electric light, power telephone and clock lines, new milking machine, new program clock, an addition to the office and a new road to the school.

In 1926 two new residences and a large farm shop were erected. A large dormitory for girls was put under roof.

REQUIREMENTS FOR ADMISSION TO COLLEGE

Students are admitted to the college either upon certificate from an accredited high school or upon examination. Certificates from schools not accredited will be considered as the merits of each case may warrant. Entrance credentials must be submitted either at registration or before. Whenever possible, the credentials should be sent in early enough for the student to be notified, before he comes to the college, as to whether his credentials are sufficient. Students presenting a less number of credits than is required for college entrance may complete their work in the school, which is equipped to do particularly strong high-school work.

Fifteen units are required for admission. A unit course of study is defined as a course covering a school year of not less than thirty-five weeks,



Students Ready for a Trip

with four or five (preferably five) periods of at least forty or forty-five minutes each, a week. The fifteen units for entrance are divided as follows:

Mathematics (Algebra, Geometry).....	2
English	3
Electives	10

Electives may be selected from the following: Mathematics 2; Ancient Language 4; French 3; Spanish 2; German 3; History and Civics 3; English 2; Science 4; Drawing 2; Psychology 2; Political Economy 1; Sociology 1; Shop Work 2; Agriculture 4; Home Economics 4; Commercial Subjects 4. Other electives will be considered by the faculty.

Graduates of accredited high schools offering courses in vocational agriculture or home economics under the provisions of the National Vocational Education Act, are permitted to offer six units in agriculture or home economics.

It is recommended that students in their high-school work include two years of history and two of science. Upon the recommendation of the committee on adult standing, and upon the passing of one of the standard college-entrance tests, students over 25 years of age will be granted conditional entrance to college. Students from unaccredited high schools also may be required to pass one of the standard college-entrance intelligence tests. Students entering college without work in history will be expected to take additional work in history in college.



In the La Plata Mountains

REGISTRATION

Registration.—Tuesday, September 6, 1927, will be devoted to examination and registration. Students who fail to register on the dates set for registration will be charged an additional registration fee of \$2.00. Students may not register later than three weeks after the opening of college. A fee of \$1.00 is charged for changes requested by the student after registration.

GENERAL INFORMATION

A Credit Defined.—One credit is given for one hour of lecture, or recitation work a week, or two hours in a laboratory. Credit is also given for physical education on basis of one credit a semester.

Grades.—The passing grade is 70 percent. All students who fail to make a standing of 60 percent will be considered failed, and will be required to take such subjects over again in class. Those making a standing of more than 60 percent and less than 70 percent will be considered conditioned and will be allowed one special examination before the subject is again taught, by which they may try for a passing grade of 70. In cases of studies extending over more than one semester, the student, if he has an average of 60 percent, may be allowed to continue with his class, but must finally make a grade of 70 percent in one special examination in each semester. If he falls below 60 percent in average at the end of a semester, he will be dropped from the class and be required to take a lower subject.

Any student who shall have a semester standing of 90 percent will be exempt from final examination, and in that case his class standing shall be his semester average.

Student Labor.—The college is an employer of student labor to a limited extent. It is the policy of those in charge of the different forms of college work to favor students whenever service is needed. The best qualified and most willing have the preference, if more service is offered than required.

ABSENCES AND EXCUSES

1. Students are expected to attend all classes for which they are regularly registered.
2. All work missed by students shall be made up at the option of the instructor.
3. Students will be allowed one unexcused absence per credit hour per semester in each subject without loss of credit.
4. Unexcused absences above this number will be counted as zero for the exercise missed.
5. Excuses will be ordinarily granted only in cases of protracted illness or extended trips on strictly college activities. Excuses will be considered by the executive committee only upon petition on blanks provided by the dean. Said petition must be filed with the dean within ten days after the absence. The student and instructor will be notified of the action taken by the executive committee within ten days after the petition has been filed.



View of South Half of Campus

6. All other absences will be counted as unexcused.
7. Three tardinesses shall be counted as an absence. Tardiness of more than fifteen minutes shall be counted as an absence.
8. Students who have been absent for more than 20 percent of the exercises in any one class shall be dropped from the class by the dean, unless otherwise ordered by the executive committee.

LEGAL REQUIREMENTS

Conduct.—"The college authorities assume that the students are manly men and womanly women and that they come here earnestly desirous of preparing themselves for useful and honorable careers in life. The aim of the faculty is to lead students to cultivate habits of steady application, self control, a high sense of honor, truthfulness and an interest in maintaining the purity of the moral atmosphere of the institution. Those who are not disposed to support heartily a sentiment of this kind should not apply for admission."

Hazing.—Extracts from the Session Laws of Colorado of 1907, page 337:

"It shall be unlawful for any person to engage in any of these (those) practices commonly called 'hazing,' or in any acts of torturing, tormenting or in any way maltreating a fellow inmate, employee, or student.

"Any person found guilty of the violation of the provision of the first section of this act shall be deemed guilty of a misdemeanor and shall, upon conviction, be fined not less than five dollars nor more than fifty dollars.

"Any officer, teacher or student connected with any of the state institutions of this state who shall be found guilty of violating the provisions of this act, shall, if a teacher or employee, be dismissed from the further service of such state institution, and if a student, his conviction shall work expulsion from the state institution he may be attending, in perpetuum."

DAILY SCHEDULE

	Mon., Tues., Wed., Thurs., Fri.	Saturday	Sunday
First Whistle.....	6:00	6:00	7:00
Breakfast Call....	6:50	6:50	7:35
Breakfast.....	7:00	7:00	7:45
Study Call.....	7:50		
Assembly Call....	8:00		10:30
Dinner Call.....	11:45	11:45	12:45
Dinner	12:00	12:00	1:00
Study Call.....	12:50		
Roll Call.....	1:00		
Supper Call.....	5:45	5:45	5:45
Supper	6:00	6:00	6:00
Lights Blink.....	9:45	9:45	9:45
Lights Out.....	10:00	10:00	10:00

THE FORT LEWIS SCHOOL

The following high-school subjects will be offered for the school year 1927-1928:

First Semester

Physics
Chemistry
Psychology
Latin II
Geometry
Algebra
Literature
General History
Irrigation and Leveling
Farm Machinery

Second Semester

Physics
Chemistry
Higher Algebra
Latin II
Geometry
Algebra
Literature
General History
Stock Feeding
Farm Motors

Collegiate courses are authorized by the State Board of Agriculture under the provision of the Act of acceptance passed in 1911. The Fort Lewis School is virtually a land grant institution and is a part of the Agricultural College system of Colorado.

COLLEGE COURSES

The following college courses will be offered at Fort Lewis beginning September 6th, 1927:

First Semester	Second Semester
English	English
3	3
English Literature.....	English Literature.....
2	2
College Algebra.....	Trigonometry
5	5
Inorganic Chemistry.....	Inorganic Chemistry.....
3	3
Inorganic Laboratory.....	Inorganic Laboratory.....
2	2
Botany	Botany
4	4
Physiology	Zoology
5	5
American History.....	American History.....
5	5
Spanish, French or German....	Spanish, French or German....
5	5
Psychology	Principles of Teaching.....
5	5
Music	Music
}	}
Physical Education.. }	Physical Education.. }
..... 1 1

Those who plan to major in **Engineering** should take English, chemistry, mathematics and history or a modern language. Those who plan to major in **Agriculture** or **Home Economics** should take mathematics, English, chemistry, physiology and zoology. Those who plan to major in **Education** and qualify for a teacher's certificate should take psychology, principles of teaching, English, history and mathematics, science or a modern language.

Twenty hours of work are required each semester. Of these five should be in English and five in science.

English.—Study of the principles of rhetoric. Elements of effective writing in prose based upon the study of selected authors. Analysis of modern prose. Much time is devoted to composition, written and oral. Three hours attendance, three credits, each semester. Texts: Century "Handbook of Composition," and "Writing of Today."

English Literature.—The general purpose of this course is to arouse an interest in good books, to develop the ability to judge their literary value, and to stimulate a desire for more knowledge of literature. Two hours attendance, two credits, each semester.

College Algebra.—After a brief review of quadratic equations, the following topics are taken and treated in the order given: Binomial theorem, the progressions, complex numbers and the theory of equations. Graphical representation is frequently used. Five hours attendance, five credits, first semester. Text: Reitz and Crathorne's "College Algebra."

Plane and Spherical Trigonometry.—Preference is given to geometric rather than analytic methods in the development of the formulas of this subject. A thoro drill in the use of logarithms comes incidentally in dealing with the general plane and spherical triangles. Special attention is given to practical application in surveying, geodesy, astronomy and artillery. Prerequisites, entrance requirements. Five hours attendance, five credits, second semester.



The La Plata Mountains, Where We Picnic

Inorganic Chemistry.—Lectures, text and reference, study of the principles of the science, covering the chemistry of non-metals, their typical and important compounds. No previous knowledge of chemistry is required. Three hours attendance, three credits, each semester.

Inorganic Laboratory.—Exercises to accompany Inorganic Chemistry Lectures. Four hours attendance, two credits, fee, \$3.00, each semester.

General Botany.—A study of plant relationships with emphasis placed on the origin and evolution of plants and the hereditary factors influencing their development. The development of plant life is traced from the lowest forms of single-celled plants to the highest-developed flowering plants. Six hours attendance, four credits, fee, \$1.00, each semester.

Physiology.—Deals with elementary physiology, anatomy and hygiene. Five hours attendance, five credits, first semester.

Zoology.—Stress is laid upon the structure, habits and relationship of the different groups of the animal kingdom. Definiteness and accuracy of observation emphasized. Seven hours attendance, five credits, fee, \$2.00, second semester.

American History.—A general course in American History from the discovery of America down to the present. Quite a large part of the time is spent upon recent events. This course has in mind the requirements of students who expect to teach. Five hours attendance, five credits, each semester.

First Year French, German or Spanish.—A course in grammar, prose composition, reading and conversation. Five hours attendance, five credits, each semester.

Psychology.—A general outline of the essential facts and fundamental laws of mind and consciousness with special reference to their educational applications; should be elected by those interested in the science of mental development. A student who expects to teach or carry on field work should take this course. Five hours attendance, five credits, first semester.

Principles of Teaching.—Prerequisite, Educational Psychology. This course includes a review of the learning process. Procedures used by the teacher in securing interest, directing discussion (recitation) and laboratory classes, supervised study, project and problem methods, lesson plans, problems of classroom management, measuring results of teaching, textbooks. Five hours attendance, five credits, second semester.

Physical Education.—Required of all students. Corrective and coordinative gymnasium exercises and games. Three hours each week, one credit. \$1.00 fee, each semester.

Music.—Arrangements will be made to accommodate students who desire courses in music. The cost of such lessons is reasonable depending upon the courses chosen.



Interior of School Shop

FEES AND DEPOSITS

I. Fees for which the College acts as collecting agent for the Students:	
Athletic Fee	\$ 5.00
Student Activity Tickets.....	5.00
II. Uniform, Breakage, and Key Deposit Fees, in part returnable:	
Key deposits returned upon release of keys with locks in good condition.....	\$1.00 to 2.00
Breakage and materials deposits refunded, except cost of apparatus destroyed and materials used.....	5.00
III. Fees that actually go to the College:	
Non-resident Fee charged all students not residents of the state.	25.00
Registration Fee—first semester.....	5.00
Registration Fee—second semester.....	5.00
Library Fee—each semester.....	2.00
Laboratory—amount stated in write-ups of different courses up to	5.00
Late Registration Fee.....	2.00
Failure to pay fees and board at specified time.....	2.00
For changes in registration required by student.....	1.00
IV. General Estimate of Expenses:	
Board and Room, thirty dollars a month.....	270.00
Books and Fees.....	\$15.00 to 50.00
Incidentals, Laundry, Stationery, etc.....	\$20.00 to 50.00

One month's board, one semester's fees and tuition, stationery, etc., must be paid for at time of entering. Thereafter each month's board must be paid for one month in advance.

Tuition is charged to those whose parents vote in another state.

Gymnasium suits, tennis shoes and other clothing and bedding are not included in the above estimates.

There is no rebate on board for absence over Saturday and Sunday.

Work done by students for the school may be applied on their board account about six weeks after the close of the month in which the work is done. Students should arrange to meet their expenses until the labor checks are actually received from Fort Collins.

Physician's services, medicines, nursing and extra care of room when sick must be paid by the student.



The Dean's Residence

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