

COLORADO AGRICULTURAL COLLEGE BULLETIN

FORT LEWIS SCHOOL

Summer Session

College and Review Subjects



June 4 to August 17

Series 27

April, 1928

Number 1

## Summer School Calendar

- June 4.....Monday: 8 a. m., Summer School registration and Convocation, Auditorium.
- June 23.....Saturday: Trip to the La Plata Mountains.
- July 4.....Wednesday: National holiday.
- July 11.....Wednesday: Mid-quarter examinations and close of first half of summer quarter.
- July 12.....Thursday: Opening of second half of summer quarter.
- July 28.....Saturday: Celebrated as Visitor's Day with a varied program of activities.
- August 17.....Friday: Final examinations and close of the Summer School.

A social and activity program will be announced at the opening of the session.

Week-end trips to such places of interest as the Cliff Dwellings, Aztec Ruins, Hogback Oil Field, and Timberline on the La Plata Mountains, will be announced, with details, during the session.

**FORT LEWIS SCHOOL**  
of  
**The Colorado Agricultural College**

The Fort Lewis School is a part of the State Agricultural College system of Colorado maintained under the State Board of Agriculture, the governing board of the State Agricultural College.

From 1911 to 1927 Fort Lewis offered high-school work in Agriculture, Mechanic Arts, Home Economics and Rural Teacher Training. The first regular Summer Session was opened in 1925. In 1926, college courses were offered in the summer as extension courses of the State Agricultural College. Beginning with the regular school year 1927, first-year college work was offered and the work of the Summer Session was materially increased. The courses meet the accrediting requirements of the State Agricultural College which is a member of the North Central Association of Colleges and Secondary Schools and may be transferred thru the State Agricultural College to other institutions of higher learning. This means much to the student who desires to continue work at another institution. The courses are arranged on a quarter-unit basis and are progressive so that the student may complete the first two years of a college course.

Review courses are offered also for teachers in service on the request of ten or more, and much attention is given to music and art. Extensive provision is made for physical education and for recreation.

The Summer Session covers the equivalent of a quarter of college work. It is eleven weeks in length and is divided into two terms of equal length. It is possible for the student taking full work to earn 8 college quarter-hour credits each term or 16 quarter-hour credits during the Summer Session. The superior student may earn one or two additional credits during the summer.

The campus is at an altitude of 7600 feet in the Valley of the LaPlata River, six miles south of the LaPlata Mountains. The climate is cool and invigorating and summer work is a pleasure. All elements—climate, location, opportunities for recreation and educational facilities—combine to make the summer session at Fort Lewis satisfying and enjoyable. The campus is in the open country five miles from Hesperus, the nearest railway station and postoffice, and fourteen miles from Durango. It has telephone and telegraph connection, daily mail service and is reached over good roads.

**Officers of Administration**

CHARLES A. LORY, M.S., L.L.D., D.Sc.....	President of the Colorado Agricultural College
G. F. SNYDER, M.S.....	Dean of the Fort Lewis School
K. G. IRWIN, M.S.....	Director of the Summer Session

**Cooperating County Superintendents**

Nelle B. McCartney.....	La Plata County.....	Durango, Colo.
Myrtle Jordan, Mrs.....	Montezuma County.....	Cortez, Colo.
Anna C. Bell, Mrs.....	San Juan County.....	Silverton, Colo.
Myrtle DeFoe.....	Archuleta County.....	Pagosa Spgs., Colo.
Mary L. Livingston.....	Dolores County.....	Dove Creek, Colo.

**Summer School Faculty**

- A. A. BROWN, A.B. (Wheaton College), (University of Chicago), M.A. (University of Colorado); (Graduate of Shraeder Violin Conservatory, Dubuque, Iowa). Formerly with Harvard (Ill.) Community School and the Fort Lewis School; since 1926 Principal of Eaton (Colorado) High School. He will have the work in Educational Tests and Measurements, Educational Sociology, Public School Music, Tennis and Volley-ball.
- T. H. HOOPER, A.B., A.M. (University of Kansas). Has had a wide and varied experience as City and County Superintendent of Schools; is now serving his third term as County Superintendent of Yuma County. An expert in rural school work, he will handle the classes in Rural School Methods, Rural School Management, Applied Physiology and Hygiene, Plays and Games.
- K. G. IRWIN, B.S. (Knox College), M.S. (University of Chicago), (Summer work at Universities of Missouri and Wisconsin), Formerly with St. Louis Public School System, Penn College and Arkansas City (Kans.) Junior College; since 1925 with the Colorado Agricultural College. (Author and illustrator of verse and prose for children). He will have charge of classes in Educational Biology, Physiography, Agricultural Education and Drawing.
- MARY H. WRIGHT, Mrs., (State Teachers' College, Farmville, Va.), A.B., A.M. (University of Denver), A.M. (Teachers' College, Columbia University). Formerly Junior High Principal at Marion, Virginia and Pungo, N. C.; statistician with Department of Commerce, Washington, D. C.; Head of English Department, Training School of Veterans' Bureau, Denver. A specialist in English and Psychology, she will handle the work along those lines.

### Summer School Program for 1928

The summer quarter of 1928 will, in general, follow the plans of previous summers. The policy of bringing in as classroom teachers those who are doing practical educational work and others who are connected with different institutions, has been continued. The group of teachers for this summer is a splendid one. There is offered in this way an excellent opportunity for the beginner or the experienced teacher to get in touch with the new movements in education.

#### Requirements for Admission

Teachers will be permitted to register for college courses and work successfully completed will be recorded for college credit and accepted as qualifying for state certificates, but those who desire to secure college degrees must meet the entrance requirements.

#### Credit

The credits secured in the Summer Session of Fort Lewis will be honored in similar courses in the regular college work of the Fort Lewis School or they may be transferred to the State Agricultural College and from there to another educational institution.

Credits are expressed in quarter-hours. The term "quarter-hour" means a subject carried one day a week thruout the session of eleven weeks. Credit is also stated in semester-hours and is so recorded at the registrar's office of the State Agricultural College. Since the quarter is two-thirds as long as the semester, one quarter-hour is equivalent to two-thirds of a semester-hour or 12 quarter-hours are equivalent to 8 semester-hours. In the regular college session the semester-hour is used.

Full-time work consists of 16 quarter-hours. The student, who at the end of the first term shows evidence of superior scholarship, may be permitted to carry courses earning nine or ten credits the second term.

#### Length of Term

The Summer Session is the equivalent of a full quarter of college work. The session is divided into two equal terms but in only a limited number of subjects is credit given for half-quarter work.

#### Expenses

One of the great advantages of spending a vacation at Fort Lewis is the very moderate expense. The fees are low and the cost of board and room very reasonable.

The school dormitories are of brick construction, thoroly modern and convenient. All rooms are outside rooms, light and airy, each with two single alcove beds. Each student is expected to supply bedding

above the mattress and to take care of the room. All rooms are fully screened, have electric lights and steam heat. Bath rooms with tubs and hot and cold showers are conveniently located. Each dormitory has a fine, large living-room with comfortable chairs, magazines, a phonograph or a piano, and a fireplace. There are laundry facilities on the campus and a kitchenette for occasional use. The meals, however, are all served in the school dining room. The prices are as follows:

Board and room for the full quarter, paid in advance .....	\$75.00
Board and room for the half-quarter, paid in advance .....	\$40.00
Board and room by the day.....	\$ 1.40
Board, only, without room; 21-meal ticket.....	\$ 7.00

#### **Fees**

For the full quarter, for residents of Colorado, payable in advance.....	\$30.00
For non-resident students, payable in advance.....	\$35.00
For a half-quarter, for residents of Colorado, payable in advance.....	\$17.50
For non-resident students, payable in advance.....	\$20.00

#### **Employment of Students**

There will be janitor work, waiting on tables, washing dishes, campus and garden work that students may secure. Payment for this work is by the hour.

#### **Tenting Privileges**

Students and institutional guests who bring their own tents may camp at Fort Lewis without expense for camping place, water and wood.

#### **Library and Laboratory Facilities**

The library contains new books on education, history, literature and science. The biological, chemical and physical laboratories are well equipped.

#### **Social and Activity Program**

It is difficult to announce ahead of time the dates of lectures, musical entertainments, moving-picture shows, assembly programs, religious services, parties, amateur dramatics and other entertainments but these are all a part of the enjoyable summer activity program.

Since Fort Lewis is but a few miles from the LaPlata Mountains, comparatively close to the famous Cliff Dwellings and Aztec Ruins and very near a transcontinental highway that passes thru sections of unparalleled scenic beauty, many trips can be made from the school, on week ends, thus enriching the summer work in a worthwhile way.

### Summer Courses for 1928

Those who are teaching, or preparing to teach, will find the summer course of study divided into two groups of subjects. In the first are the professional subjects, which are designed solely for teachers. Many of these are basic to all teaching. They give the theory, the history and the philosophy of teaching. Others are specialized and teach definite skills. In the second group of subjects are listed the non-professional or academic subjects. These are of interest to all who desire the broadening effect of college work. Many are of particular value to the teacher and to classroom teaching.

#### Professional Subjects

**Agricultural Education For Rural Teachers.**—Agriculture, taught in the rural school, should touch upon many sciences, show man's relation to nature, and in a broad way his relation to society. This course is planned to show how this material may be presented. It meets the needs of teachers who will, themselves, have to teach elementary agriculture.

Four hours attendance, 4 quarter-hours      3 1-3 semester-hours

**Educational Biology.**—This study interprets the relation of living things to the world about them and gives in a general way the biological factors that are common to all life: Of cell response to stimuli, of food transformations, of body secretions and excretions, of heredity, of response to environment, of instinct and intelligence.

Four hours attendance, 4 quarter-hours      3 1-3 semester-hours

**Educational Psychology.—General Introduction.**—This course, with the one that follows, aims to explain how the capacity, tendencies and responses of a child are used in educating him. This course traces, among other things, the response mechanism, discusses native and acquired tastes, instinctive impulses and activities, the control and utilization of emotions.

Three hours attendance, 3 quarter-hours      2 semester-hours

**Educational Psychology.—The Learning Process.**—This continues the course above by giving the psychology of learning and instruction, showing how learning occurs, explaining how individuals differ and pointing out how these differences may best be utilized.

Three hours attendance, 3 quarter-hours      2 semester-hours

**Educational Sociology.**—This deals with the relation of men in economic activities, social organizations, schools, social centers, churches, cooperative work, etc. It gives the principles that are necessary for the teacher to correlate her work with that of the community.

Four hours attendance, 4 quarter-hours      3 1-3 semester-hours

**Educational Tests and Measurements.**—This course is designed to show the importance of accurate measurement in education, to point out the methods that have been used, to explain how the standardized tests can be utilized to diagnose and improve instruction.

Three hours attendance, 3 quarter-hours 2 semester-hours

**History of Education.**—The origin and development of the great movements of education will be traced and an attempt made to show the contributions of such factors as the Medieval Church, the Reformation, the modern reformers, etc., to the educational ideas of today in this and other countries.

Three hours attendance, 3 quarter-hours 2 semester-hours

**Principles of Education.**—This is a basal course upon which more specialized courses are built. Such subjects are discussed as, how children learn, methods of teaching, school management, safeguarding the children's health, professional growth, the teacher's relation to the community.

Four hours attendance, 4 quarter-hours 3 1-3 semester-hours

**Rural-School Management.**—A course designed to aid the beginning rural-school teacher in the organization and handling of the one- and two-room rural school.

Three hours attendance, 3 quarter-hours 2 semester-hours

**Rural-School Methods For the Primary Grades.**—A study of the principles and methods to be used in the teaching of fundamental subjects in the first four grades.

Four hours attendance, 4 quarter-hours 3 1-3 semester-hours

**Rural-School Methods For the Upper Grades.**—A discussion of the methods and materials for the fifth, sixth, seventh and eighth grades; of how the student's interest and initiative can be stimulated; how projects can be tested and utilized.

Four hours attendance, 4 quarter-hours 3 1-3 semester-hours

#### **Non-Professional or Academic Subjects**

**English Composition.**—This is a very important subject to the beginning teacher. It presents the essentials of correct English, gives training in the presentation of material and help in avoiding student errors in grammar, punctuation, spelling and organization.

Four hours attendance, 4 quarter-hours 3 1-3 semester-hours

**English and American Literature.**—A course in literature that includes selections that are chosen to develop interest and promote a desire for wider reading. The work of the two terms is independent and each gives two quarter-hours credit. Poetry will be handled during the first half and prose during the second.

Four hours attendance, 4 quarter-hours 3 1-3 semester-hours

**Public-School Drawing.**—This is more than a course to teach skill in drawing. It takes up the methods for teaching drawing, de-



sign, color and art appreciation in relation to the needs of the child at school, at home and in the community. The class meets four times a week.

2 quarter-hours

1 1-3 semester-hours

**Freehand Drawing.**—Drawing of still-life material in pencil, pen and ink, and charcoal, with emphasis upon perspective and composition. The class meets four times a week.

2 quarter-hours

1 1-3 semester-hours

**Public-School Music.**—This class meets four times a week, during the first term only. This course gives methods for teaching music; study and interpretation of song material suited to the different ages of children; notation, sight reading, melodies in major and minor keys; physiology of the voice; part singing.

2 quarter-hours

1 1-3 semester-hours

**Music Appreciation.**—This class meets four times a week, during the second term only. This course acquaints the student with the many kinds of fine music; records of bands, orchestras, choruses, soloists, etc., are given to familiarize the student with the work of composers and artists and aid in their appreciation.

2 quarter-hours

1 1-3 semester-hours

**Physiography.**—This study is particularly helpful to the teacher of geography but is also valuable in elementary science and history. It takes up topographic and geologic maps, discusses in detail such topics as mountain formation, erosion, soil formation, weather phenomena, climate, the relation of climate to industry.

Four hours attendance, 4 quarter-hours

3 1-3 semester-hours

**Applied Psychology and Hygiene.**—This class meets four times a week, during the first term only. It takes up a study of hygiene as it refers to the individual, to the school, and to the community. It also gives some treatment of the aims and methods of health education in the school and community.

2 quarter-hours

1 1-3 semester-hours

**Principles of Nutrition.**—This class meets four times a week, during the second term only. A course dealing with the problems of growth and development of the child; nutrition; physical handicaps and their effect upon behavior; measures aimed at bettering the health of the child.

2 quarter-hours

1 1-3 semester-hours

**Recreational Courses.**—These classes meet three times a week. Those who can are urged to take one of these Physical Education courses. All are under expert guidance.

(a) Tennis.

(b) Plays and Games.

(c) Volley Ball.

Each course: 1 quarter-hour

2-3 of a semester-hour

### Non-Credit Subjects

Review classes in subjects required in teachers' examinations will be organized two or three weeks before examinations. It has been suggested that weekly round-table discussions of Colorado School Law, Colorado History, and Current Events, might profitably be given. Possibly, also, those desiring it may form a class in elementary music.

### Summer School Schedule of Recitations

#### A. M.

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|----|--|-------------|
| 8  | Educational Psychology—General Introduction, daily<br>except Tu., Th. .... | Mrs. Wright |
|    | Rural School Methods for Primary Grades, daily<br>except M. ....           | Mr. Hooper  |
| 9  | Rural School Methods for Upper Grades, daily<br>except Tu. ....            | Mr. Hooper  |
|    | Public School Drawing, daily except M. ....                                | Mr. Irwin   |
| 10 | Educational Biology, daily except Tu. ....                                 | Mr. Irwin   |
|    | Educational Sociology, daily except W. ....                                | Mr. Brown   |
| 11 | Public School Music, daily except Th. ....                                 | Mr. Brown   |
|    | English Composition, daily except W. ....                                  | Mrs. Wright |
|    | Physiography, daily except W. ....   | Mr. Irwin   |

#### P. M.

1-1:30 Assembly on Monday and Thursday

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|---|---|-------------|
| 1 | Rural School Management, daily except M., Th. ....                    | Mr. Hooper  |
|   | Educational Psychology—Learning Process,<br>daily except M., Th. .... | Mrs. Wright |
|   | Educational Tests and Measurements, daily<br>except M., Th. ....      | Mr. Brown   |
| 2 | Agricultural Education, daily except Th. ....                         | Mr. Irwin   |
|   | English and American Literature, daily except M.,                     | Mrs. Wright |
|   | Principles of Education, daily except M. ....                         | Mr. Brown   |
| 3 | Freehand Drawing, daily except F. ....                                | Mr. Irwin   |
|   | Applied Physiology and Hygiene, daily except Th.,                     | Mr. Hooper  |
|   | History of Education, daily except Tu., F. ....                       | Mr. Wright  |
| 4 | Tennis, daily except Tu., F. ....                                     | Mr. Brown   |
|   | Plays and Games, daily except W., F. ....                             | Mr. Hooper  |
|   | Volley Ball, Tu. and F. at 4, Th., at 3 .....                         | Mr. Brown   |

**Questions Often Asked About the Certification Law,  
With Their Answers\***

1. What about county certificates issued prior to July, 1923, when the new law went into effect, and their renewal?

Second-grade certificates "may be renewed from time to time at the option of the county superintendent of the county wherein same was issued."

First-grade certificates "in force at the time of the passage of this Act may be renewed from time to time by the county superintendent of the county . . . wherein the same was issued."

2. What about county certificates issued after September, 1927, but before September, 1931?

"Beginning with the school year September, 1927, all applicants for examination for certificates to teach must have **attended an institution of higher learning** and must have successfully pursued a course approved by the State Superintendent of Public Instruction **completing credit in twenty-five college quarter-hours, five of which shall be in professional work.**" (This means nearly two quarters of college work.)

3. What about county certificates issued after September, 1931?

"Beginning with the school year September, 1931, all applicants for examination for certificates to teach must have **attended an institution of higher learning** and must have successfully pursued a course approved by the State Superintendent of Public Instruction, **completing credit in ninety college quarter-hours, thirty of which shall be in professional work.**" (This means six quarters, or two years, of college work.)

4. What are the subjects covered in the examination for third-grade certificates, as given each year?

"Spelling, reading, writing, arithmetic, grammar and composition, geography, history and constitution of the United States and the constitution of the State of Colorado of the United States, civics, sanitation and hygiene, elementary science and agriculture, school law of Colorado, school management and the state reading circle course." (The examination will be given at Fort Lewis on August 9.)

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\*The quotations are from the State Law.

5. How long are third-grade certificates valid?  
They are valid for one year. They may be renewed for one year without further examination "if the holder has, during the life of the certificate, **attended an institution of higher learning for at least five weeks** and pursued a course approved by the State Superintendent of Public Instruction and has **received credit amounting to five college quarter-hours in professional courses.**"
6. What subjects are covered in second-grade examinations?  
"Physical and commercial geography, especially of Colorado, American literature, history of Colorado, current events and all the subjects prescribed for examination of applicants for third grade certificates."
7. How long are second-grade certificates valid?  
They are valid for two years and may be renewed for two more years, without further examination, "if the holder, during the life of the certificate, has taught successfully for a term of not less than eight months and has **attended an institution of higher learning for at least ten weeks . . . completing credit in at least eight college quarter-hours of professional work.**"
8. What subjects are covered in first-grade examinations?  
"English literature, algebra or geometry, physics or chemistry, general history, educational psychology and all the subjects prescribed for examination from applicants for second and third-grade certificates."
9. How long are first-grade certificates valid?  
They are valid for three years and may be renewed for three years more, without further examination, under the same conditions as for second-grade certificates.
10. How may a first-grade certificate be changed to a five-year state certificate?  
Such a certificate with possibilities of renewal for another five years may be issued to a person who has taught for thirty-six months on a first-grade certificate and has had **two years of college work.**
11. How may the five-year state certificate be made permanent?  
A person may be granted a permanent certificate who has taught forty-five months on the five-year state certificate and can give evidence of satisfactory professional growth.

12. How may a teaching permit be secured without examination?

A person who has completed **six quarters of college work with thirty quarter-hours of specified work in education** may receive a teaching permit good for one year. The State Superintendent has ruled that this may be renewed by the holder doing successful teaching and showing satisfactory professional growth.

13. Can a person qualify for any or all of these certificates and permits by attending the Fort Lewis School?

The course of study as given at Fort Lewis is approved by the State Superintendent and the person attending Fort Lewis is on the same basis as is the person attending the summer session of the other state institutions. It will be noticed that the certificate requirements are being raised and very soon only those who have had two years of college work can teach in the elementary schools.

### **College Courses** **Regular Session — Fort Lewis School**

Since those who attend the Summer Session may desire some information, either for themselves or others, in regard to the regular college work at Fort Lewis, attention is called to the following: The coming fall semester opens on September 4. Two years of college work are offered. The courses serve well for general training and for those wishing to major in Agriculture, Engineering, Home Economics, Science and Education at the Colorado Agricultural College, or other institutions, later. The school operates on the semester basis.

Those interested should send for the catalog.

### **High-School Work** **At Fort Lewis**

The Hesperus High School, during the regular school year, utilizes part of the Fort Lewis equipment for a three-year high-school course. The Fort Lewis School offers a fourth year of high-school work. Students unable to get the advantage of a four-year high-school course in their own community may thus come to Fort Lewis, live in its dormitories, take part in its social and athletic life and complete their high-school course. Both of these schools open on September 4.

**APPLICATION FOR ADMISSION TO THE  
FORT LEWIS SUMMER SESSION**

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(Fill this out and mail to the Fort Lewis School  
Hesperus, Colorado)

Name .....

Address .....

I wish to attend the 1928 Summer School at Fort Lewis and take  
the following subjects:

.....  
.....  
.....

My School Record:

A high-school graduate of.....

College work previously taken.....

.....

My teaching experience:.....

.....

In regard to board and room at Fort Lewis:.....

.....

Others whom I think may be interested either in the Summer  
Session or in the Regular Session of the Fort Lewis School:

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