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**University of Florida**  
GAINESVILLE, FLORIDA



**University Summer School**  
(Co-Educational)

**Announcement**

**June 13 to August 8, 1923**

## SUMMER SCHOOL

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STATE SUPERINTENDENT, W. S. CAWTHON, A. M.

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## COMMITTEES OF THE FACULTY

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*On Advanced Standing:* Crow, Rasco, Beisler.

*On Admission:* Simpson, Roemer, Rodgers.

*On Public Functions:* White, Leigh, McArthur, Perry.

*On Graduate Work:* Anderson, Farr, Newell, Benton, Trusler, Norman.

*On Student Publications:* Leake, Beck.

*On Extension of Certificate:* Metcalfe, McMullen, Cassels.

*On Reports to State Department of Education:* Haynie, Day, Hollingsworth.

*On Student Council:* Borger, Griffin, Mrs. Roemer, Mrs. Carrier, Little.

*On Literary Societies:* Woodley, Metcalfe, Sheppard, Hamon.

*On Recreation:* (a) For Women: Borger, Carmack, Mrs. Ramsay, Miltimore, Mrs. Wall.

(b) For Men: White, Manchester, Goette, Everett.

*On Buildings and Grounds:* Day, Perry, Leigh, Hathaway.

## GENERAL STATEMENT

The fourteenth annual session of the University of Florida Summer School will open June 13, 1923. The first session was held in 1910 with 74 students in attendance. In the summer session of 1922, this number had increased to 890.

**PURPOSE.**—It is the main purpose of the University Summer School to furnish such training as will be most useful to its students in the profession of teaching. A teacher should not only be well versed in subject-matter, but also resourceful in managing a schoolroom or a system of schools. The Summer School attempts to give both kinds of instruction. More specifically, it endeavors to prepare its students for positions as teachers, principals, supervisors, and county or city superintendents of public instruction.

**ORGANIZATION.**—To this end the work of the Summer School is organized as follows:

1. Normal courses comprising the last two years of high school work and the Freshman and Sophomore years in college, and leading to the Normal Diploma. (For requirements, see p. 9.)
2. College courses comprising Freshman, Sophomore, Junior and Senior years in college and leading to standard college degrees of Bachelor of Arts in Education and Bachelor of Science in Education. (For requirements, see p. 8.)
3. Graduate courses leading to advanced degrees. (For requirements, see p. 10.)
4. Professional courses meeting the requirements for the extension of teachers' certificates with or without further examination.
5. Review courses in all subjects required for county, state and special certificates.

**ADMISSION.**—Graduates of Junior High Schools of ten grades, those who have finished the tenth grade of a Senior High School, and teachers who hold a First Grade County Certificate, are admitted to the first year of the Four-Year Normal Curriculum. Graduates of Senior High Schools are admitted to the Freshman Year of the Collegiate Course.

No one under sixteen years of age will be admitted unless he is a graduate of a Senior High School.

Persons twenty-one or more years of age who cannot satisfy the entrance requirements, but who give evidence of ability to profit by the courses they may take, may, under exceptional circumstances, be admitted as "adult specials."

There are no requirements for admission for those who register merely for review courses.

Students are urged to pursue courses leading to a degree and to have themselves classified when they register. To facilitate proper classification, all students are requested to bring with them their high school diplomas or a statement from their high school principals of the work they have completed. Blank certificates, conveniently arranged for the desired data, will be sent to all high school principals, and, upon application, to prospective students.

**ENTRANCE EXAMINATIONS.**—For the large number of summer school students who have not finished high school and, hence, do not have sufficient entrance units to enable them to enter the Freshman class, but yet are mature enough to profit by regular college work, entrance examinations will be arranged. All such students should file with the Dean of the Summer School not later than May 20th petitions for examinations in each subject in which they wish to be examined.

**DEGREES.**—Courses are offered leading to the degrees of Bachelor of Arts in Education, Bachelor of Science in Education, and Bachelor of Science in Agricultural Education. For the Bachelor of Arts degree the major elective work must be chosen in Groups A, B, C and F; for the Bachelor of Science degree, from Groups D and E. In addition to these degrees, the Normal Diploma, sometimes called the L. I. degree, is granted to those students who have finished the second year's work in Teachers College, with the exception that in the Sophomore year Education VIb is required, and that one may choose between the required Sophomore and Junior courses in Education. Inasmuch as there is considerable agitation in the United States at present to make two years of training beyond the high school a minimum requirement for teaching in the elementary school, all students are urged by all means to complete this minimum requirement necessary to receive the Normal Diploma. Students who expect to teach in high school should possess a bachelor's degree.

Authority for the above is provided in Section 5 of Summer School Act as follows:

"All work conducted at the said Summer School shall be of such character as to entitle the students doing the same to collegiate, normal or professional credit therefor, and may be applied towards making a degree."

### CURRICULUM

Leading to the Degree of Bachelor of Arts or  
Bachelor of Science in Education

CONSTANTS.—i. e., subjects required of all students enrolled in Teachers' College. -

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Physical Education I.....	1	hr. ; required of Freshmen	
Physical Education II.....	1	hr. ; required of Sophomores	
Military Science I.....	2	hrs.; required of Freshmen	
Military Science II.....	2	hrs.; required of Sophomores	
English I.....	3	hrs.; required of Freshmen	
Psychology .....	1½	hrs.; required of Sophomores	
Educational Psychology	1½	hrs.; required of Sophomores	
Education I.....	3	hrs.; year course; required of Freshmen	
Education II.....	3	hrs.; year course.	} Sophomores must take either Ed. II or Ed. VIa and Ed. IVb.
or			
{ Education VIa.....	1½	hrs.; first semester	}
{ Education IVb.....	1½	hrs.; second semester	
Education IVa .....	1½	hrs. first semester. Required of Juniors.	
Education Xb .....	1½	hrs.; second semester. Required of Juniors.	
Education IIIa .....	1½	hrs.; first semester. Required of Seniors.	
Education XIVb.....	1½	hrs.; second semester. Required of Seniors.	
Education Va .....	1½	hrs.; first semester. Required of Seniors.	
Education VIb .....	1½	hrs.; required of Seniors.	

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Each student must select courses from three of the following Groups. (See Regulation 2 below.)

A—Ancient Languages	B—Modern Languages	C—English
Required courses: Latin I } Latin VI } 6 hours or Latin II } Recommended courses: Latin III Latin IV Greek A } Greek I } or French A } French I } or Spanish A } Spanish I }	Required courses: French A } French I } or Spanish A } Spanish I } } 6 hours or German A } German I } Recommended courses: French II Spanish II German II Latin History I or IV English IV, V or VI	Required courses: English I (included among constants) English, 6 hrs. } 6 hrs. from } 12 hrs. one for- eign lan- guage } Recommended courses: Other courses in lan- guages, and His- tory V.
D—Mathematics	E—Natural Science	F—Social Science
Required courses: Mathematics I } 6 hrs. and III } Recommended courses: Mathematics IV 3 hours from a Science Surveying	Required courses: Biology I } Biology II } Biology III } 16 hours Chemistry I } Physics V } Recommended courses: Chemistry III Advanced Physics Chemistry V	Required courses: History I } History II } History III } 15 hrs. Sociology I } Economics I } Recommended courses: Social Science Biology Psychology and Philosophy

REGULATIONS:

1. All students must take all Constants.
2. Each student must select from three Groups of Studies from A to F, and must continue in those selected until completion of Sophomore year; at which time a student may concentrate upon two of these Groups by permission of the Dean.
3. Where the total number of hours of the three Groups combined does not equal 24, additional hours must be taken from the recommended courses in these Groups to make the total 24 or more.
4. A total of 68-year hours is required for graduation.
5. In case a student is exempt from Military Science I and II (see General Catalog, p. 193) he must substitute an equal number of hours from other departments.

REQUIREMENTS FOR THE NORMAL DIPLOMA.—The Normal Diploma is awarded those students who have completed the Four-Year Normal Curriculum (see General Catalog, p. 176). The student must either offer sixteen units for entrance to the

third year of the Four-Year Normal Curriculum (i. e., Freshman year in College), or he must have completed sixteen units by the end of the second year of this Curriculum. In the next two years (the Freshman and Sophomore years) he must complete at least one credit hour of Physical Education and two credit hours of Military Science. In addition, the student must complete thirty academic and professional year hours, or sixty semester hours. Of these, the following are required: English I, 3 hrs.; Psychology, 1½ hrs.; Educational Psychology, 1½ hrs.; Education I, 3 hrs.; Education VI*b*, 1½ hrs.; and either Education VI*a* and Education IV*b*, or Education IV*a* and Education X*b*, 3 hrs. The student may then choose three of the groups described under the requirements for the Bachelor's degree, and so far as possible complete the "required" courses in these three groups. On account of the large number of hours required in two of the groups, it may be impossible for students who elect these groups to complete all of the "required" courses in three groups. In that case, they should divide their time about equally among the groups chosen.

#### REQUIREMENTS FOR THE MASTER'S DEGREE.—

1. A candidate for the Master's Degree must be in residence for at least one scholastic year, or four summer terms, devoting his entire time during this period to study and research.

2. He must complete two majors and two minors. A major is a three year-hour course of rank above the Senior Class. A minor is a three year-hour course of rank above the Sophomore Class.

3. A thesis is required of all candidates. This thesis should be closely allied to the major subjects. The title of the thesis should be submitted by the end of the first summer and completed by the beginning of the fourth summer.

4. All students who hold the bachelor's degree are expected to attend a conference each Monday at 10 o'clock, Peabody 13.

5. All students who wish to pursue work leading to the master's degree should communicate with the Dean of the Summer School as soon as possible, so that plans for giving the work which they desire may be perfected before the opening of the Summer School. In the communication, state what subjects are desired.

**DEMONSTRATION SCHOOL**

It is our plan for this summer to have a demonstration school with at least two grades, one primary and one elementary, for the purpose of demonstrating the various educational principles worked out in the different classes. The primary grade will include beginners and 1st grade children and the elementary grade will take children of the 4th and 5th grades.

College students coming to the Summer School who have children in these grades can have reservations made for them, and enter them in the demonstration school upon payment of a fee of \$5.00 for the six weeks, which is the length of the term for this school. The school will open the Monday after the beginning of Summer School, and run for six weeks.

**SUMMER SCHOOL CREDIT.**—One hour in the Summer School is equivalent to one-fourth year-hour as given in the following courses of study. The amount of credit to which the completion of each course will entitle, is given in the description of such courses. No student without special permission of the faculty is permitted to pursue courses that will aggregate more than four and one-half college credits. Exceptionally able students are sometimes permitted to take more than this amount of work, but only with the sanction of the Teachers College Faculty.

The following resolutions, which are primarily intended for students of less than college rank, were adopted by the Teachers College Faculty in January, 1921:

I. Courses to be given in the Summer School shall be designated as (a) Review, (b) Normal, or (c) College.

- (a) Courses intended primarily to give a rapid survey of a subject and thus prepare for examination for a Teacher's Certificate.
- (b) Courses arranged primarily for pupils unable to offer fourteen college entrance units.
- (c) Courses designed primarily for college students (those able to offer fourteen or more college entrance units).

II. All courses (whether Review, Normal, or College) may, if the other regulations be observed, be used towards extension of Teachers' Certificates, provided that at least one course of higher scholastic grade other than those necessary for the certificate, be taken.

III. (a) No credit in college entrance units or in college hours shall be given for successful completion of a "Review" course.

(b) Summer School students offering less than fourteen entrance units shall not, without special permission, be allowed to take more than twenty hours per week. Not more than one entrance unit will be given for work done by "Normal" students at one session of the Summer School. For successful completion of one "Normal" course of study with five recitations per week, one-fourth of one college entrance unit shall be given. One hour of recitation shall be considered equal to two hours of work in laboratory, music, physical education, and drawing.

The Teachers College will accept entrance unit credits only in case an entire course has been completed. Under no circumstances will it accept less than one-half unit in a subject, and one-half units only in subjects so marked in the current catalog. The College will, however, accept one-quarter of a unit when an additional unit or permissible one-half unit is also offered in the same subject, provided the one-quarter unit does not represent duplication of work.

It is recommended that the schedule of classes be so arranged as to make it possible for a student in "Normal" courses to earn two one-quarter units in one subject during one session of the Summer School.

(c) A student able to offer fourteen or more college entrance units shall not, without special permission, be allowed to receive more than four and one-half credit hours or one and one-half college entrance units.

Successful completion of a course of study requiring six class hours per week thruout the Summer School session, will entitle the student to one and one-half college hours; completion of a course requiring four or five hours per week, will entitle to one college hour, and of a class meeting two or three times per week, to one-half college hour; but no credit in hours will be given for a class meeting only once a week. To entitle a student to credit, a course in the Summer School must be approved by the head of the Department in the University most nearly concerned.

**STATE CERTIFICATES.**—Graduates of the Teachers College and of the Normal School are granted State Certificates without further examination—provided that one-fifth of their work has been devoted to professional training and provided that during each of the last two years of their course they have made a general average of eighty-five on all subjects and have not fallen below sixty in any subject. These State Certificates are converted into Life Certificates in the usual way. (See Compilation of School Laws of State of Florida, 1921, Sec. 150, p. 53.)

### EXTENSION OF TEACHERS CERTIFICATES

Section 6 of a recent Act of the Legislature provides that:

All teachers attending any of the Summer Schools herein created and whose work entitles them to credit therefor, upon making proof of the same to the State Superintendent of Public Instruction, are hereby entitled to one year's extension on any Florida teacher's certificate they may hold and which has not fully expired, and such certificate may be extended one year for each succeeding session attended by the said teacher.

### REGULATIONS GOVERNING CERTIFICATE EXTENSION

When credit for extension of certificates is desired the following regulations established by the Summer School Board must be followed:

1. No teacher shall be allowed to take more than twenty hours per week of purely academic subjects.
2. No teacher shall take less than five hours per week of professional work.

(Any four or five hour course in education and psychology, but not in pedagogy, that has not been taken previously will satisfy the professional requirement necessary for extension of certificate.)

3. The maximum number of hours per week, including professional, vocational and academic subjects, shall in no case without permission of the Summer School faculty, exceed twenty hours per week. Two laboratory hours to be counted as one hour of academic work.

4. No student shall take less than fifteen hours per week without special permission, and at least ten hours of this amount shall be in courses not covered by the certificate held, or by courses previously taken.

5. No student will be granted an extension of certificate who does not apply for the same on the student Registration card. A list of those who have applied will be posted on the Bulletin Board in Peabody Hall not later than July 1st for correction, and no student will be recommended for extension of certificate, whose name does not appear on this list by July 25th.

6. An extra fee of one dollar will be charged for any change of registration after Saturday of the first week.

The Summer School faculty will not recommend students for extension of certificate for repeating courses which they have taken in previous summer sessions or those who are not pursuing courses to raise the grade of certificate already held. At the end of the term the faculty will recommend for extension those that meet the above conditions, and attend the full term, and do work satisfactory to the faculty.

DANCING.—The University of Florida does not feel justified in placing its stamp of approval on the dance as at present practiced. Dancing is therefore forbidden both on and off the campus during the summer season.

### ADVANTAGES OF THE UNIVERSITY SUMMER SCHOOL

The advantages that Gainesville presents as the seat of the Summer School are numerous. It is centrally located and easy of access. It has well-paved, lighted and shaded streets, an exceptionally pure water supply, and a good sewerage system.

The citizens are energetic, progressive and hospitable. The moral atmosphere is wholesome. The leading religious denominations have attractive places of worship.

The entire equipment of the University is at the hands of the faculty and students. Ample provision is made for intellectual recreation and physical exercise. The Peabody Literary Society meets weekly; lectures or concerts are given frequently; the gymnasium, swimming pool, baseball grounds, and tennis courts are at the disposition of the students, and instructors are at hand to direct athletic activities. The Y. M. C. A. has a fine moving-picture machine, and a large number of educational and travel films have been procured, as well as some of the best feature films obtainable.

**PEABODY HALL.**—Peabody Hall, the administrative home of the Teachers College, is a magnificent three-story brick and stone structure. It is modern in every respect as to equipment and arrangements. It contains all the lecture rooms, laboratories and libraries that a modern college of this kind needs.

**LIBRARY.**—The general library of the University contains about 23,000 volumes of well selected books to which the Summer School students have free access. The Pedagogical library will be of especial interest to them, for it contains many books on educational theory, general and special methods, history of education, psychology and philosophy. In the reading room are more than a hundred of the best general and technical periodicals. Here also are received the leading newspapers of the state and nation.

Attention is called to the course in Library Science (p. 33) for the benefit of those teachers who wish to better equip themselves for managing the libraries in their own schools.

The Library will be open week days from 7:50 to 12:30, from 1:50 to 5:30, and from 7:00 to 10:00, except that on Saturdays it will close for the day at 5:00.

**TEACHERS' EMPLOYMENT BUREAU.**—Teachers College and Normal School desires to serve the whole state in every possible way. For this purpose a Teachers' Employment Bureau was instituted and is open thruout the year. From school officials it receives requests for teachers. From teachers it receives requests for information as to vacancies. It files such information and tries, when called upon, to meet the needs of both teachers and school officials. To be of greater service it

needs and invites the cooperation of superintendents, principals, and teachers. Officials needing trained men or women, and teachers desiring promotion or change, are asked to call upon the Bureau for its aid. No charges are made for services. For information, address Dr. Joseph Roemer, University of Florida, Gainesville, Florida.

**STUDENT HEALTH.** — The University maintains a well equipped infirmary and has a professional nurse for those who may be ill during the Summer School. Regular physical examination and medical advice are offered to all students on any day at the regular hours of consultation in the Infirmary. Opportunity is offered for individual and private conference with University Physician, Director of Department or assistants.

The University Physician keeps hours daily at University Infirmary for purposes of consultation. Infirmary care is provided for those requiring it. Constant bedside care is given by resident registered nurse.

### EXPENSES

The cost of attending the Summer School is very moderate when compared with that at many other institutions. There is no charge for tuition and fees are very low. The combined cost for a room on the campus and meals in the Commons is only \$40.00 for the session. The cost of meals alone is \$32.00 for the session. For laundry, incidentals and books, expenditures vary, but necessary expenditures are not very high. The estimate of the cost to a student living on the campus follows :

	High	Low
Tuition .....	\$ 0.00	\$ 0.00
Registration fee .....	5.00	5.00
Boarding and lodging in Dormitory per week, in advance.....	5.25	5.25
In advance for the term.....	40.00	40.00
Board without lodging, per week.....	4.25	4.25
Board without lodging for the term, in advance .....	32.00	32.00
Board for children under eight, per week .....	2.00	2.00
Board for children above eight, per week .....	4.25	4.25
Chemistry Laboratory fee.....	5.00	5.00
Physics Laboratory fee.....	2.50	2.50

Biology .....	5.00	5.00
Botany and Zoology Laboratory fee....	2.00	2.00
Laundry .....	12.00	4.00
Incidentals .....	16.00	8.00
Books .....	8.00	3.00

For students living off the campus, the estimated expense is the same except that rooms and board will be somewhat higher. However, good rooms adjacent to the campus can be obtained at from \$6.00 to \$12.00 a month per student, and board off the campus will cost about \$6.00 a week.

Students taking Drawing and Primary Handwork will have to pay for the material they use. This will not amount to more than 75 and 50 cents, respectively.

Only students will be admitted to the dormitories, but children may take meals with their parents in the Commons at the rates given in the above list. All accounts are payable in advance.

THE ASSEMBLY.—The assembly will be held on Tuesdays and Fridays at 10 o'clock. At these meetings important announcements will be made and students will be held responsible for all such announcements so made regardless of the fact as to whether they are in attendance at the time.

The following persons will address chapel on these dates:

Friday, June 15.....	Opening Exercises, President Murphree
Tuesday, June 19.....	Mr. Leigh
Friday, June 22.....	Musical program
Tuesday, June 26.....	Mr. Little
Friday, June 29.....	Mr. Simpson
Tuesday, July 3.....	Health Program
Wednesday, July 4.....	Patriotic Exercises
Friday, July 6.....	Musical program
Tuesday, July 10.....	Mr. White
Friday, July 13.....	Mr. Woodley
Tuesday, July 17.....	Mr. Leake
Friday, July 20.....	Mr. Roemer
Tuesday, July 24.....	Musical program
Friday, July 27.....	Mr. Rasco
Tuesday, July 31.....	Mr. Crow
Friday, August 3.....	Mr. Beck
Tuesday, August 7.....	

## AIDS TO REGISTRATION

To make registration easier and more expeditious registration forms are shown herein. Read them carefully and fill them out as far as possible before you arrive at Summer School. With your bulletin in hand and forms filled out you can quickly complete your registration.

The large card should be filled out in complete detail, especially as to county in which you reside and whether or not you wish an extension of your present certificate, if you have one; in fact the card will be valuable in proportion to the completeness with which it is filled out.

As to the small card, you need to fill out only the blank spaces above and to the right of the heavy line. The rest of it is to be done at the registration desk.

An extra fee of one dollar will be charged for any change in registration after Saturday of the first week.

**WHEN AND WHERE TO REGISTER.**—Students who live in and near Gainesville should register on Monday, June 11, in Room 13, Peabody Hall. Those who can reach Gainesville on the morning trains on Tuesday, June 12, should register before 4 o'clock in Peabody No. 13. There will be no registration after that time on Tuesday. All others should register in the Gymnasium on Wednesday, June 13. Students from a distance should arrive on Tuesday, June 12. No effort will be made to meet trains or to transfer trunks on Sunday.

# UNIVERSITY OF FLORIDA SUMMER SCHOOL

## REGISTRATION CARD

Date.....192.....

Mr. Mrs. MISS	Surname	First name	Middle name
Home Address: P. O.		County	State
Your Age?	Are You Married?	What college degree do you hold?	

In case of illness, whom shall we notify?	Address of this person	Is this person your parent or guardian?
Total number months taught	Date of expiration of this Certificate	Date issued
Date of previous extension	*Do you desire extension of Certificate?	What Certificate do you hold?
Your address while in Gainesville		Date issued

### COURSES

1		4
2		5
3		6

\*Note: Student will not be recommended for extension of certificate who does not apply for it in this space.

**INSTRUCTOR'S COURSE CARD**

Students fill in only above and to right of heavy line  
 Surname First Name Middle Name

Name of Student.....

June.....1922

SUBJECT	Course No.   Sec.		TITLE OF COURSE								INSTRUCTOR
	1	2	3	4	5	6	7	8			
Monday										Present Certificate Extension Desired Certificate Now Sought	
Tuesday											
Wednesday											
Thursday											
Friday											
Saturday											
Diligence Gr.....			Final Gr.....			Days Present.....					

.....Instructor

## COURSES OF INSTRUCTION

The following abbreviations used in connection with the courses, indicate the buildings in which the courses are held, and the numbers after such abbreviations indicate rooms in which they are held:

A—Agricultural Building; S—Science; P—Peabody; E—Engineering; L—Language; G—Gymnasium.

## AGRICULTURE

**ELEMENTARY AGRICULTURE.**—A general course in agriculture. This will introduce the student to the study of soils, plants, common diseases of plants, insects, farm crops, domestic animals and the like. Methods of teaching agriculture in rural schools will be stressed. Review and extension credit only. M. W. F. 11:00 E. 15. Mr. Haynie.

**DAIRY FARMING.**—Management of the dairy herd under Southern conditions; study of equipment for dairy farm; locations adapted to dairy farming; method of keeping records and developing dairy herd; pastures, silage and feed crops. 1 college credit. T. Th. S. 11:00. Lab. M. 2-4 P. 2. Mr. Haynie.

**FORAGE CROPS.**—Legumes, grasses, and miscellaneous forage plants, and their adaptability to the various Florida soils, seeding and cultural methods, harvesting and storing, composition and use, illustrated by specimens brought before the students and by field observations. 1 college credit. M. W. Th. S. 10:00 P. 2. Mr. Haynie.

**FERTILIZERS.**—The nature, composition, and sources of fertilizers and their reaction on soils and crops. Fertilizer formulas and home-mixing. The making and economical use of farm manures. Fertilizer requirements for various crops, etc. 1½ college credits. Daily 9:00 P. 2. Mr. Haynie.

## ATHLETICS

## Courses in Coaching

**ATHLETICS I.**—Football.—Elements of the Game.—Its educational values, the rules that govern it, individual and team development, how the game should be played on offense and defense, different systems discussed, how each position should be played on offense and defense, the forward pass, trick and fake plays, the kicking game, psychology and football, plays

suggested. This course will deal with football strategy and its aim is to fit men for coaching football teams.  $\frac{1}{2}$  college credit. M. W. F. 3:00 E. 16. Mr. Orr.

ATHLETICS II.—A Talking Knowledge of the Football Game.—What the rules mean as applied by officials, penalties, good sportsmanship on the side lines. Everybody who attends football games should know the essentials of the game play. M. 5:00 E. 16. Mr. Orr.

ATHLETICS III.—Basketball.—Same course as offered in Course I. Special emphasis will be placed upon the five-man game, on offense and defense, foul throwing, playing the ball, the dribble game, the passing game, long shots, short shots, English, the common-sense system. This course is intended to fit men and women to coach basketball teams.  $\frac{1}{2}$  college credit. T. Th. 3:00 E. 16. Mr. Orr.

ATHLETICS IV.—A Talking Knowledge of the Basketball Game.—Same course as offered in Course II. T. 5:00 E. 16. Mr. Orr.

ATHLETICS V.—Special Course and Lectures Will Be Given in Baseball if demanded. Hours to be arranged. Mr. Orr.

ATHLETICS VI.—Same as Course V for Track and Field Sports. Hours to be arranged. Mr. Orr.

Note: Owing to the fact that no money is available to pay for instruction in these courses, a reasonable fee will be charged for each course, payable in advance. A respectable number must enroll to insure the course being given.

## BIOLOGY

BIOLOGY Ia.—The Principles of Animal Biology.—An introduction to the study of biology with particular reference to animal life. This course is a prerequisite to all courses in Zoology given at the University of Florida. 2 college credits. M. T. W. Th. 9:00 S. 23. Laboratory M. T. W. Th. 2:00-4:30 S. 22. Mr. Rogers.

BIOLOGY IIIb.—The Biology of the Frog.—Studies on the morphology, physiology, development and natural history of the frog. This course aims to be an introduction to the vertebrate body and by the detailed study of one form to emphasize the unity and interrelation of the several fields of biological study. Prerequisite: Biology Ia. 2 college credits. M. T. W. Th. 11:00 S. 23. Laboratory M. T. W. Th. 2:00-4:30 S. 22. Mr. Rogers.

BIOLOGY V.—Laboratory Methods and Technique. — A course intended primarily for students who intend to teach laboratory courses in biology in the secondary schools. Prerequisites: Biology Ia and IIIb. To be elected only by special permission. Hours and credit to be arranged. Mr. Rogers.

BIOLOGY XV.—Advanced Zoology.—To be elected only by special permission. Hours and credit to be arranged. Mr. Rogers.

### CHEMISTRY

CHEMISTRY I.—General Chemistry.—A course designed for those who wish to prepare for science teaching in the high school. This course can be taken by those who have never taken chemistry, or by those who have had a course before and wish to review it. There will be two courses in General Chemistry, one embracing non-metals and one embracing metals. The former is a prerequisite to the latter.

Section 1. A study of the non-metals.  $2\frac{1}{2}$  college credits. Daily 9:00 S. 3. Lab. M. T. W. Th. 2:00-4:00 S. 2. Mr. Leigh.

Section 2. A study of the metals.  $2\frac{1}{2}$  college credits. Daily 11:00 S. 12. Lab. M. T. W. Th. 2:00-4:00 S. 2. Mr. Beisler.

CHEMISTRY III.—Qualitative Analysis.—Lectures and laboratory course in this subject offered to those who have had general chemistry.  $1\frac{1}{2}$  college credits. T. Th. 2:00. S. 3. Lab. M. T. W. Th. 2:00-5:00 S. 2. Mr. Leigh.

CHEMISTRY VIIa. — Volumetric Analysis. — A laboratory course offered to those who have had qualitative analysis.  $1\frac{1}{2}$  college credits. Laboratory afternoons 2:00-5:00, days to be arranged. S. 10. 12 hours per week. Mr. Beisler.

CHEMISTRY VIIb.—Gravimetric Analysis.—A laboratory course offered to those who have had qualitative analysis.  $1\frac{1}{2}$  college credits. Laboratory afternoons 2:00-5:00, days to be arranged. S. 10. 12 hours per week. Mr. Beisler.

CHEMISTRY V.—Organic Chemistry.—This course is designed to present the fundamentals of chemistry of the compounds of carbon. The work in the classroom is presented by means of lectures, quizzes, and oral and written recitations.  $2\frac{1}{2}$  college credits. Daily 11:00 S. 3. Laboratory 2:00-6:00. S. 2, days to be arranged. Mr. Leigh.

## CIVICS

CIVICS.—Special attention will be given to local, town, city, and county governments. Information that every intelligent citizen should have is stressed. Five sections. Review and extension credit only.

- Section 1. M. W. Th. 10:00 P. 23. Mr. Rasco.
- Section 2. M. W. Th. 10:00 E. 15. Miss Carmack.
- Section 3. T. W. F. 2:00 P. 23. Miss Carmack.
- Section 4. W. Th. F. 3:00 L. 9. Mr. McMullen.
- Section 5. M. W. S. 10:00 L. 23. Mr. McMullen.

## DRAWING, CONSTRUCTIVE WORK AND INDUSTRIAL ART

DRAWING I.—Grades I-III, inclusive. Application of Art to everyday studies; construction work and design; paper cutting, illustration; free-hand drawing; nature study in colors.  $\frac{1}{2}$  college credit. M. W. Th. S. 10:00 E. 12. Mrs. Day.

DRAWING II.—Grades IV-VII, inclusive. Design and applied design; line and shade; theory of color and study of water colors; nature study and still life in color; notebooks kept up to date each week.  $\frac{1}{2}$  college credit. M. T. W. Th. 2:00 E. 12. Mrs. Day.

DRAWING III.—Grades VIII-XII, inclusive. Principles of perspective and line drawing; pencil sketching; five-minute sketches from life; black and white; charcoal and pencil; water color study and nature study in colors; principles of design and applied design; comparison of notebooks.  $\frac{1}{2}$  college credit. M. W. Th. F. 4:00 E. 12. Mrs. Day.

DRAWING IV.—Grades I to XII, inclusive. Decorative work in enamels; stencilling and handwork that can be useful throughout the grades and high school.  $\frac{1}{2}$  college credit. M. T. Th. S. 9:00 E. 12. Mrs. Day.

## EDUCATION

Any 4 or 6 hour course in Education, but not in Pedagogy, will meet professional requirements for the extension of certificates.

PEDAGOGY.—School management, general and special methods of teaching, elementary principles of child nature, school hygiene and sanitation, personality of teacher, relation of

school and community, and other practical pedagogical questions. Review. 1 normal credit. Three sections:

Section 1. M. T. W. F. 9:00 P. 25. Miss Griffin.

Section 2. M. T. Th. F. 11:00 P. 25. Miss Griffin.

Section 3. M. T. W. F. 3:00 P. 25. Miss Griffin.

EDUCATION A.—The Teaching of Nature Study and Geography in the Rural Schools.—1 normal credit. M. T. W. F. 4:00 P. 20. Miss McArthur.

EDUCATION B.—The Teaching of Arithmetic in the Rural Schools.—1 normal credit. M. T. W. F. 3:00 P. 23. Miss McArthur.

EDUCATION C.—The Teaching of History and Civics in the Rural Schools.—1 normal credit. M. W. Th. S. 10:00 P. 17. Miss McArthur.

EDUCATION D.—The Teaching of Language and Spelling in the Grammar Grades.—1 normal credit. M. T. W. F. 4:00 P. 28. Miss Griffin.

EDUCATION II*b*.—Methods of Teaching the Elementary Branches.—This is a continuation of Education II*a* which was offered in the Summer School of 1922. In this course emphasis will be placed upon the proper presentation of grammar school subjects. 1½ college credits. Daily 8:00 P. 23. Mr. Woodley.

EDUCATION III*a*.—Administration and Supervision of Village and Consolidated Schools.—A course stressing in a practical way problems peculiar to these schools in Florida; their relation to federal, state and local government; the supervising principal, qualifications, relation to superintendent, boards, teachers, pupils, patrons and community; adapting the school to the child's needs, organization, curriculum, attendance, promotions, tests, health work; business practices, school finance, material equipment, school housekeeping, records and reports. 1½ college credits. Daily 9:00 P. 23. Mr. Woodley.

EDUCATION V*a*.—The Technique of Teaching.—The laws of learning, lesson-planning, thinking, questioning, the problem-project method, the socialized recitation, democracy in the classroom as a preparation for democracy in life. 1½ college credits. Daily 11:00 P. 17. Mr. Norman.

EDUCATION VI*a*.—Child Study.—The nature, growth and development of the child from birth to adolescence with reference to education; the original nature of the child and his edu-

cation; the meaning of protracted infancy; training in recognition of types and individual differences, of common defects and how to deal with them; the cultivation of intelligent sympathy with children; the effect of Child Study on the practices of elementary and secondary education.  $1\frac{1}{2}$  college credits. Daily 8:00 P. 17. Mr. Fick.

EDUCATION VI*b*.—Supervised Teaching.—This course is planned to give the student practice in conducting recitations under close supervision. A study will be made of the development of courses, and the present status of the subject taught. Lesson plans will be required for all recitations, and the manner of teaching will be subject to criticism. Teaching 4 hours a week; conferences 2 hours a week.  $1\frac{1}{2}$  college credits.

Section 1. American History in Secondary Schools. Daily 12:00 P. 23. Mr. Morehart.

Section 2. English in Secondary Schools. Daily 11:00 P. 23. Mr. Woodley.

Section 3. Mathematics in the Secondary Schools. Daily 8:00 P. 20. Mr. Little.

EDUCATION VII*b*.—Educational Psychology.—Psychology applied to Education, the learning process, acquisition of skill, etc.  $1\frac{1}{2}$  college credits. Daily 12:00 P. 17. Mr. Fick.

EDUCATION X*a*.—The Elementary School Curriculum.—The curriculum as a group of related problems and projects of vital interest to children. An attempt to formulate a curriculum based on social conditions and social needs.  $1\frac{1}{2}$  college credits. Daily 11:00 P. 18 A. Mr. Morehart.

EDUCATION XI*a*.—Educational Tests and Measurements.—The use of scales for measuring educational products; educational stock-taking. How to determine what kind of a school a community needs, and what progress pupils are making, etc. (Elective for Graduate Students.)  $1\frac{1}{2}$  college credits. Daily 8:00 P. 21. Mr. Roemer.

EDUCATION XI*b*.—City School Surveys.—An intensive and analytical study of the principles and practices followed in making the leading City Surveys of the country. Open to advanced students in Education.  $1\frac{1}{2}$  college credits. Daily 8:00 P. 18 A. Mr. Smart.

EDUCATION XIV*a*.—Junior High School.—The purpose of this course is to give principals and teachers a knowledge of the junior high school and its organization. Since the move-

ment is in its formative period in Florida, much attention and study will be given to concrete cases and local conditions. Topics: Need of reorganization of the traditional high school; changes needed in the program of studies, in discipline, methods of teaching, etc.; development of the Junior High School; special function of the Junior High School; organization, curricula and courses of study, methods of teaching, etc., of the Junior High School. Daily 9:00 P. 21. Mr. Roemer.

EDUCATION XIVb.—High School Administration.—This course is designed to study the practical management and administration of the modern high school. It will consider such topics as: duties of principal as head of school; relation of principal to board of education, superintendent, teachers, pupils and community; legal status of high school; systems of financing; selection, supervision, promotion, retention and dismissal of teachers; adjustment of teaching load; testing and grading of pupils; problem of discipline; pupil guidance, athletics, wider use of school plant, supervised study, student activities, teachers' meetings, etc. (Junior students may choose between Education XIVb and Education IIIb.)  $1\frac{1}{2}$  college credits. Daily 8:00 L. 12. Mr. Everett.

EDUCATION XIXa.—The History of Education: General Course.—The development of educational thought and practice viewed as a phase of social progress.  $1\frac{1}{2}$  college credits. Daily 8:00 S. 23. Mr. Morehart.

EDUCATION XXI.—Newer Type of Primary School.—This course will discuss some recent departures from the traditional and will consider causes for these changes. The course will include organization of the primary school curriculum, and a discussion of the relationship between the kindergarten and primary school. It is planned to meet the needs of teachers of the first four grades. Prerequisite, 4 years of teaching experience or two years of college training.  $1\frac{1}{2}$  college credits. Daily 11:00 E. 10. Mrs. Roemer.

EDUCATION XXII.—The Teaching of Primary Reading.—This course will discuss the basic importance of reading in the primary school; reading as a tool study; the various methods of teaching reading, etc. Because of the close relation of language as a tool study to reading in the primary school that subject will also be considered in this course. The value of

phonics, writing, and also spelling will be considered. 1½ college credits.

Section 1. Daily 9:00 E. 10. Mrs. Carrier.

Section 2. Daily 8:00 P. 25. Mrs. Carrier.

EDUCATION XXIII.—Hand-work for Primary Grades.—The purpose of this course is to develop the real function of hand-work in the primary grades. The various types of hand work will be discussed, paper cutting, free hand drawing, clay modeling, etc. A constructive project for each grade will be developed during the course. 1 college credit.

Section 1. Daily 8:00 P. 1. Mrs. Roemer.

Section 2. Daily 9:00 P. 1. Mrs. Roemer.

EDUCATION XXIV.—The Teaching of Primary Numbers.—This course will consider the broad concept number as it relates to child life; means of working out definite standards of measurement. The four fundamental processes and how to teach them; rapid calculation, etc. This course will lay out the course of study in arithmetic in the first three grades. 1½ college credits. Section 1. Daily 12:00 E. 10. Mrs. Carrier.

EDUCATION XXV.—Rural Life Movements.—The opportunity of the rural teacher in reviving, organizing, and directing the life of the rural community will be stressed. The object of the course is to stress the idea that hearing lessons is only a part of the teacher's duty. 1½ college credits. Daily 12:00 P. 28. Mr. Smart.

EDUCATION XXVI.—Rural School Supervision.—A course reviewing the inadequacy of such supervision in the schools of Florida as shown by untrained teachers, and insufficient aid from the County Superintendent's office. Proposed helps—self-supervision, rural school supervisors, helping teachers, etc. Plans for training teachers in service will be discussed—county associations, reading circle work, conference courses, etc. 1½ college credits. Daily 9:00 P. 18 A. Mr. Smart.

EDUCATION XXVII.—Rural School Management.—How to organize and conduct a rural school. 1½ college credits. Daily 12:00 P. 21. Miss McArthur.

#### ENGLISH

ENGLISH COMPOSITION.—Review and extension credit only. Four sections:

Section 1. M. T. W. Th. 9:00 E. 15. Mrs. Ramsay.

- Section 2. M. T. W. Th. 8:00 L. 25. Mrs. Ramsay.  
 Section 3. M. T. W. Th. 8:00 E. 16. Miss Sheppard.  
 Section 4. M. T. Th. F. 4:00 P. 17. Mr. Everett.

ENGLISH GRAMMAR. — Review and extension credit only.

Six sections.

- Section 1. M. W. Th. S. 10:00 L. 25. Mrs. Ramsay.  
 Section 2. M. T. W. F. 4:00 L. 9. Mrs. Ramsay.  
 Section 3. M. W. Th. S. 10:00 S. 23. Miss Sheppard.  
 Section 4. M. T. W. Th. 2:00 L. 12. Mrs. Ramsay.  
 Section 5. M. T. Th. F. 12:00 E. 16. Miss Sheppard.  
 Section 6. M. T. Th. F. 4:00 E. 16. Miss Sheppard.

ORTHOGRAPHY.—The spelling of common words will be stressed. Correct spelling in all forms of written work will be demanded. How best to teach spelling. Review and extension credit only. W. F. 2:00 L. 9. Mr. Everett.

AMERICAN LITERATURE.—Study of American Literature as outlined in Metcalf's "American Literature." 1 Normal credit. M. T. Th. F. 11:00 P. 23. Mr. Woodley.

ENGLISH LITERATURE.—The history of English Literature as outlined in Metcalf's "English Literature" will be given. 1 Normal credit. M. T. Th. F. 2:00 L. 26. Miss Sheppard.

RHETORIC.—A general course in composition and rhetoric. 1 Normal credit. M. T. W. Th. 12:00 L. 11. Mr. Everett.

#### COLLEGE ENGLISH

ENGLISH Ia.—Advanced College Rhetoric.—Designed to train students in methods of clear and forceful expression. Instruction is carried on simultaneously in formal rhetoric, in rhetorical analysis, and in theme writing, the constant correlation of the three as methods of approach to the desired goal being kept in view. In addition a reading course is assigned each student. 1½ college credits. Daily 8:00 P. 28. Mr. Hathaway.

ENGLISH Ib.—Advanced College Rhetoric.—This is the work covered during the second semester of Freshman English. It is a continuation of English Ia. The chapters on Invention in Genung's "Working Principles of Rhetoric" will be studied. A minimum of ten compositions is required. 1½ college credits. Daily 9:00 P. 28. Mr. Hathaway.

ENGLISH IIIa.—Advanced Composition. — This course is regularly known as Sophomore English. It may be taken by

students who have completed satisfactorily English I or by those who took English IIIb, Expository Writing, last summer. Emphasis will be placed on description and narration, tho some attention will be given to news writing. This is the class that publishes the Florida Alligator. 1½ college hours. Daily 8:00 L. 26. Mr. Beck.

ENGLISH Va.—American Short-Story.—A course on the development of the American short-story, beginning with Irving and extending to the current magazine writers. Extensive reading of the various types of short stories. Lecture on story technique. Pattee's "Development of the American Short-Story" is the text. This course is open to those who took the short-story last summer as well as to other undergraduates. 1 college hour. M. T. W. F. 9:00 L. 26. Mr. Beck.

ENGLISH VIIIb.—Emerson.—A study of the essays and poems of this great American thinker. Ralph Waldo Emerson, his life and times, religion, philosophy, morals, politics, and art as brought out in his works, with some study of his influences. This course is open to undergraduates and graduates. Sherman's "Essays and Poems of Emerson" is the text. 1 college hour. M. W. Th. S. 10:00 L. 26. Mr. Beck.

MODERN NOVEL.—This course is for those students who have taken the course some previous summer and for those who have taken it by correspondence. Bliss Perry's "Study of Prose Fiction" will be reviewed, and Hawthorne's "Scarlet Letter" will be studied carefully. Discussion of Lewis's "Babbitt", Atherton's "Black Oxen", Cather's "One of Ours", Alice Brown's "Old Crow", Sedgwick's "Adrienne Tower", Walpole's "Cathedral", and other later novels. ½ college hour. Th. S. 9:00 L. 26. Mr. Beck.

CHAUCER.—In this course will be read a part of the "Canterbury Tales". The language and grammar of Chaucer will receive attention. 1½ college hours. Daily 11:00 L. 26. Mr. Beck.

#### FRENCH

FRENCH Aa.—Elementary Course.—Pronunciation, forms, elementary syntax, dictation, written exercises, memorizing of vocabularies and short poems, translation. 1½ college credits. Daily 11:00 L. 9. Mr. Crow.

FRENCH Ab.—Elementary French, second semester's course; continuation of French Aa; grammar, prose composi-

tion, reader, oral practice. Fraser & Squair's Shorter French Course; La Belle France. Prerequisite: French Aa or equivalent. 1½ college credits. M. T. W. Th. F., 3:00 L. 23. S. 10:00 L. R. Mr. ....

**FRENCH Ia.**—Intermediate Course.—Work of elementary course continued, advanced grammar, including syntax, prose composition, translation of intermediate and advanced texts, sight reading, parallel. 1½ college credits. Daily 12:00 L. 9. Mr. Crow.

### GEOGRAPHY

**POLITICAL GEOGRAPHY.**—Special attention will be given to Florida and its relation to other states. A thoro review of the geography of the United States and the world. Instruction will be given in the use of textbooks, maps, globes, industrial products, etc. Review and extension credit only. Five sections:

Section 1. M. W. Th. 10:00 S. 3. Mr. Goette.

Section 2. M. W. F. 2:00 S. 12. Mr. Goette.

Section 3. M. W. F. 3:00 P. 1. Mr. Day.

Section 4. M. W. Th. 10:00 P. 18 A. Mr. Day.

Section 5. M. T. Th. 11:00 P. 1. Mr. Day.

**PHYSICAL GEOGRAPHY.**—The main features of the ordinary textbook in physical geography will be studied. Along with this stress will be placed upon the effects the physical features have on man—his commercial and social life. This will be correlated with agriculture. 1 Normal credit. Three sections.

Section 1. M. T. Th. F. 4:00 S. 12. Mr. Goette.

Section 2. M. W. Th. S. 10:00 S. 12. Mr. Beisler.

Section 3. M. T. Th. S. 12:00 S. 12. Mr. Goette.

### HEALTH WEEK

One of the interesting and profitable features of the 1922 Summer School Session will be repeated at the 1923 session. The week of July 2nd has been designated as "Health Week", during which time the Florida Public Health Association will have an exhibit of posters and literature illustrating methods of teaching Health and Hygiene. There will also be conferences conducted at convenient hours each day. Representatives will appear at chapel exercises and furnish a series of moving picture entertainments each evening during the week.

## HISTORY AND POLITICAL SCIENCE

FLORIDA HISTORY.—State-adopted textbook will be covered. Review and extension credit only. T. Th. 11:00 E. 15. Miss Carmack.

ELEMENTARY UNITED STATES HISTORY.—Six sections, each covering thoro review of State-adopted textbook. Review and extension credit only. Six sections.

Section 1. M. T. Th. F. 8:00 L. 9. Mr. Rasco.

Section 2. M. T. Th. F. 9:00 L. 25. Mr. McMullen.

Section 3. M. T. Th. F. 2:00 L. 25. Mr. McMullen.

Section 4. M. T. Th. F. 3:00 L. 25. Miss Carmack.

Section 5. M. T. W. F. 12:00 L. 10. Mr. Rasco.

Section 6. M. T. Th. F. 11:00 L. 25. Mr. Rasco.

HISTORY.—Ancient.—1½ Normal credits. Daily L. 12:00. Mr. McMullen.

HISTORY.—Medieval and Modern.—1½ Normal and extension credits. Daily 12:00 E. 15. Miss Carmack.

HISTORY.—English.—1 Normal and extension credit. M. T. W. Th. 2:00 L. 10. Mr. Rasco.

HIGH SCHOOL HISTORY.—American.—1 Normal and extension credit. M. T. Th. F. 12:00 P. 23. Mr. Morehart.

AMERICAN GOVERNMENT AND POLITICS.—This course is designed thoroly to familiarize the student with the framework and functions of the federal government. Special emphasis is laid on the development of our political parties and their workings. 1½ college credits. Daily 9:00 L. 10. Mr. Leake.

HISPANIC-AMERICAN HISTORY.—An advanced course which traces the historical development of the Latin-American peoples of Central and South America from the period of colonization to the present time. 1½ college credits. Daily 8:00 L. 10. Mr. Leake.

MODERN EUROPEAN HISTORY.—An advanced course which traces the history of the more important European peoples from 1763 to the present. Special emphasis is laid upon the Revolutionary and Napoleonic periods and upon the various conferences; upon the making of Germany and Italy; and upon the historical background of the World War. 1½ college credits. Daily 11:00 L. 10. Mr. Leake.

## HYGIENE

HYGIENE.—Special efforts to impress the teacher with the importance of hygiene and sanitation. How to keep well and physically efficient is the special aim of this course.  $\frac{1}{2}$  Normal and extension credit. Th. S. 8:00 S. 12. Mr. Beisler.

HYGIENE I.—Instruction by lecture, recitation and written exercise in general and individual hygiene. Course comprises educational, informational, defensive and constructive Hygiene, with especial reference to infectious diseases, causes, effects and prevention; sex hygiene and social diseases; the general features concerning the destructive agents of health. Required of all first year students. (Acceptable for credit for pre-medical work by the American Medical Association.)  $\frac{1}{2}$  college credit. M. T. W. S. 9:00 E. 16. Dr. Sweet.

HYGIENE II.—Instruction by lecture in the common groups that make up the community. Treats of the hygiene of the family, school, industry, farm, institution, and other groups which are typical of every village or town. Elective for all students.  $\frac{1}{2}$  college credit. M. W. Th. S. 10:00 E. 16. Dr. Sweet.

HYGIENE III.—Instruction by lecture in the intergroup factors of community, state, nation. Treats of water supply, sewage disposal, garbage disposal, streets, infectious diseases, disinfection, fumigation, clinics and other destructive and constructive elements of community, state and national health. Elective for all students.  $\frac{1}{2}$  college credit. M. W. Th. S. 11:00 E. 16. Dr. Sweet.

## LATIN

BEGINNER'S LATIN.—Review.—Review and extension credit only. M. T. at 11:00, F. S. at 9:00 L. 12. Mr. Anderson.

CAESAR.—Review.—In this course three books will be studied. Composition. 1 Normal credit. M. T. W. Th. 9:00 L. 12. Mr. Anderson.

VIRGIL.—Review.—Three books of Virgil are read and, in addition, prose composition will be given. 1 Normal credit. W. Th. F. S. 11:00 L. 12. Mr. Anderson.

LATIN SIa.—Selections from Ovid, with a review of the forms and simpler constructions with practice (largely oral) in easy prose composition. If the class prefers, Cicero's De

Senectute and De Amicitia will be read instead of the Ovid. Prerequisite: Three years of High School Latin. 1 college credit. M. T. W. Th. 4:00 L. 12. Mr. Anderson.

### LIBRARY SCIENCE

LIBRARY SCIENCE I.—A course designed to help the teacher-librarian in the small high school. The subjects of book selection, the study of reference books and the organization, in a simple way, of the small high school library will be emphasized.  $\frac{1}{2}$  college credit. M. W. Th. 10:00 P. 28. Miss Miltimore.

### MATHEMATICS

ARITHMETIC.—A thoro review of Arithmetic is made, that the student may view it from both the teacher's and child's point of view. Common and decimal fractions, denominate numbers, percentage and all other subjects covered by the textbooks adopted by the state. Principles and methods of teaching arithmetic are thoroly covered. Review and extension credit only. Eight sections:

- Section 1. M. T. W. F. 11:00 P. 20. Mr. Little.
- Section 2. M. T. Th. F. 8:00 P. 20. Mr. Little.
- Section 3. M. W. Th. S. 10:00 P. 20. Mr. Little.
- Section 4. M. T. W. F. 12:00 P. 1. Mr. Day.
- Section 5. M. T. Th. F. 4:00 P. 1. Mr. Day.
- Section 6. M. T. Th. F. 3:00 E. 17. Mr. Metcalfe.
- Section 7. M. T. Th. F. 5:00 P. 1. Mr. Hamon.
- Section 8. M. T. W. F. 8:00 E. 15. Mr. Hamon.

BEGINNER'S ALGEBRA. — Elementary course covering the fundamental operations, simple and simultaneous equations, factoring and fractions. Review and extension credit only. Four sections:

- Section 1. M. T. W. Th. 3:00 P. 20. Mr. Hollingsworth.
- Section 2. M. T. Th. F. 9:00 E. 17. Mr. Hamon.
- Section 3. M. T. W. F. 5:00 P. 20. Mr. Cassels.
- Section 4. M. T. Th. F. 11:00 P. 21. Mr. Hamon.

ADVANCED ALGEBRA. — Involution, Evolution, quadratic equations, progressions, ratio and proportion. 1 Normal and extension credit. Four sections:

- Section 1. M. W. Th. S. 10:00 P. 1. Mr. Hollingsworth.
- Section 2. M. T. W. Th. 5:00 E. 17. Mr. Metcalfe.
- Section 3. M. T. W. Th. 4:00 P. 23. Mr. Little.
- Section 4. M. T. W. F. 12:00 P. 20. Mr. Hollingsworth.

REVIEW PLANE GEOMETRY.—Rapid review first five books. Review and Extension credit only. M. T. Th. F. 2:00 E. 17. Mr. Cassels.

BEGINNER'S PLANE GEOMETRY I.—Books I and II.  $1\frac{1}{2}$  Normal credits. Daily 8:00 E. 17. Mr. Hollingsworth.

PLANE GEOMETRY II.—Books III to V.  $1\frac{1}{2}$  Normal credits. Daily 11:00 E. 17. Mr. Cassels.

SOLID GEOMETRY.— $1\frac{1}{2}$  Normal credits. Daily 9:00 P. 20. Mr. Cassels.

PLANE TRIGONOMETRY.—1 college credit. M. W. Th. S. 10:00 P. 21. Mr. Hamon.

COLLEGE ALGEBRA.—Selected topics in Fite's "College Algebra".  $1\frac{1}{2}$  college credits. Daily 8:00 L. 23. Mr. Simpson.

PLANE ANALYTICAL GEOMETRY.—The first five chapters of Roberts and Colpitts "Analytic Geometry".  $1\frac{1}{2}$  college credits. Daily 9:00 L. 23. Mr. Simpson.

ELEMENTARY CALCULUS.— $1\frac{1}{2}$  college credits. Daily 11:00 L. 23. Mr. Simpson.

#### MUSIC

MUSIC I.—Rudiments of Music and Sight Singing.  $\frac{1}{2}$  college credit. M. T. W. Th. 2:00 E. 10. Mrs. Wall.

MUSIC II.—Sight Singing and methods of teaching public school music in the primary grades.  $\frac{1}{2}$  college credit. M. T. Th. F. 3:00 E. 10. Mrs. Wall.

MUSIC III.—Advanced Sight Singing: Two, three and four part music; methods of teaching public school music in all grades. Elementary theory and harmony and simple composition.  $\frac{1}{2}$  college credit. M. T. W. F. 4:00 E. 10. Mrs. Wall.

Chorus and glee club work will also be offered.

#### PHYSICS

HIGH SCHOOL PHYSICS.—A general course, such as is usually given in standard secondary schools—lectures, recitations, demonstrations, and a limited amount of individual laboratory work.  $1\frac{1}{2}$  normal credits. M. W. Th. S. 10:00 E. 33. Laboratory W. F. 2:00-4:00 E. 33. Mr. Perry.

GENERAL PHYSICS.—A course designed for those who wish to prepare for science teaching in the high school or for those who wish to take a course in general physics more extensive and more mature than that offered in the elementary course.

This course may be taken by those who have had no previous work in physics, but in that case, Va must be taken as a prerequisite to Vb.

PHYSICS Va.—Mechanics and Heat.  $2\frac{1}{2}$  college credits. Daily 11:00 E. 33. Lab. T. W. Th. F. 2:00-4:00. Mr. Perry.

PHYSICS Vb.—Sound, Light and Electricity—2 college credits. Daily 9:00 E. 33; Lab. T. Th. 2:00-4:00. Mr. Perry.

### PHYSICAL EDUCATION

The courses in this department are designed to meet the needs of teachers, who even though not graduates of Physical Education, are nevertheless expected to have a practical knowledge of physical training, gymnastics, plays and games, and are expected to teach them in the public schools. Local problems of those in the classes will be met as far as possible. Plans will be formulated whereby unhealthy physical conditions may be eradicated from the environment of the schools and physical defects found among school children eliminated. The aim of the department is to have in every community as many leaders in playground and school activities as possible.

PHYSICAL EDUCATION I.—Elementary Gymnastics.—This class is for beginners and consists mainly of marching, calisthenics and simple apparatus work. Exercises applicable for school room will be given in graduated scale leading up to the more advanced form of exercise.  $\frac{1}{2}$  college credit. Section 1—Men M. W. Th. S. 10:00; Section 2—Women M. T. W. Th. 4:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION II.—Advanced Gymnastics.—This is for those who have had work either in Course 1 or have made progress in the work elsewhere. This work will consist of advanced floor and apparatus work.  $\frac{1}{2}$  college credit. Section 1—Men M. T. W. Th. 11:00; Section 2—Women M. T. W. Th. 5:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION III.—Physiology.—A course not going into detail nor for review but to better enable the teacher or leader to recognize faulty conditions and have an intelligent use of natural and artificial methods for correction thru exercise. Action, use and relation of different organs of body and exercises to stimulate and normalize them. General laws governing the body and health.  $\frac{1}{2}$  college credit. Section 1—Men F. S. 9:00; Section 2—Women M. W. 9:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION IV. — Anatomy. — An elementary course in bony structure, muscles and important nerves in their relation to physical education. Not a review course.  $\frac{1}{2}$  college credit. F. S. 11:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION V.—Major Sports.—Classes will be organized in the following: Basketball, track, baseball and volley ball with reference to coaching, training, diet and managing.  $\frac{1}{2}$  college credit. M. T. W. Th. 2:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION VI.—Minor Sports.—All games and competition between individuals and teams not representing major sports. Mass play and its importance in school and playground curriculum. How to organize and carry on minor sports, rules and organization governing them.  $\frac{1}{2}$  college credit. M. T. W. Th. 3:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION VII.—General playground and social hour, 7 P. M. This will be given on the campus and is open to everyone. Mr. Manchester.

Note.—All ladies will be required to have middies, bloomers and tennis shoes. It is recommended the middies be white and bloomers dark color.

All men will be required to have baseball trousers or white duck pants, gym shirt and tennis shoes. White gym shirts and white duck pants preferable.

## PSYCHOLOGY

ELEMENTARY PSYCHOLOGY.—A beginner's course in psychology with applications to teaching. 1 normal credit. M. W. Th. S. 10:00 P. 25. Mr. Everett.

PHILOSOPHY Ia.—General Psychology.—Facts and theories current in general psychological discussion: the sensations, the sense organs, and the functions of the brain; the higher mental functions—attention, perception, memory, feeling, emotion, volition, the self; and like topics. This course satisfies the professional requirement for the extension of certificates.  $1\frac{1}{2}$  college credits. Daily 9:00 P. 17. Mr. Fick.

## PUBLIC SPEAKING

On account of limited funds, a nominal fee will be charged for the following courses:

EXPRESSION AND PUBLIC SPEAKING.—In the courses offered particular attention will be given to establishing a correct method of breathing, to correcting faulty articulation, and to

teaching the principles of interpretation by voice, gesture, and facial expression. In these studies special attention will be given to preparing teachers for carrying on this work in the public schools. Those interested see Professor J. M. Chapman. Law Building. Hours to be arranged.

#### RELIGIOUS AND SOCIAL SERVICE

Under this department the general program of the Young Men's Christian Association, as rendered in the last two years, will be continued. This is not a new department, but it places the department under a more definite plan in order that it may serve the student life in a better way.

All the other social organizations on the campus, and the County Clubs, will be organized through this department. Every phase of social life will be encouraged. The following is the general program in the

#### RELIGIOUS DEPARTMENT

Sunday, 7 P. M.—Vesper Services.

Tuesday, 10 A. M.—Chapel.

Wednesday, 7 P. M.—Devotional Services.

Friday, 10 A. M.—Chapel.

#### SOCIAL DEPARTMENT

Cooperating with the Department of Physical Education.

Monday, 4:00-6:00 P. M.—Plays and games on campus.

Tuesday, 8 P. M.—Moving pictures in Gymnasium.

Wednesday, 4:00-6:00 P. M.—Plays and games on campus.

Thursday, 8 P. M.—Peabody Club.

Friday, 8:00-11:00 P. M.—Socials in Social Hall and Gymnasium.

#### SCIENCE

GENERAL SCIENCE.—A course in General Science designed especially to meet the needs of high school teachers. 1 normal credit. M. T. W. F. 8:00 S. 12. Mr. Goette.

HIGH SCHOOL BOTANY.—A general introduction to plants—characteristics of important families, pollination, classification. Some of the lower forms of plant life will also be studied. 1½ normal credits. Recitation W. Th. F. 3:00; Laboratory M. T. W. 4:00-6:00 S. 3. Miss Borger.

**HIGH SCHOOL ZOOLOGY.** — An introductory course to the general principles and concepts of animal life. The laboratory work includes observations and dissections of invertebrates and vertebrates. 1 normal credit. Recitation M. T. 3:00; Laboratory Th. and F. 4:00-6:00 S. 3. Miss Borger.

### SOCIOLOGY AND ECONOMICS

**SOCIOLOGY B.**—Introduction to Sociology.—A brief study of some of the fundamental factors and problems of social welfare and social progress. 1½ college credits. Daily 8:00 L. 11. Mr. ....

**SOCIOLOGY IIIb.**—Rural Sociology.—A broad survey of the field of rural life in its social aspects; methods of improvement. Open only to Juniors and Seniors and should be preceded or accompanied by Sociology B. 1½ college credits. Daily 9:00 L. 11. Mr. ....

**ECONOMICS Ia.** — Principles of Economics. — A general course covering the fundamental principles of consumption, production, exchange and distribution of wealth with practical application to concrete problems. Not open to Freshmen and should be preceded or accompanied by Sociology B. 1½ college credits. Daily 11:00 L. 11. Mr. ....

Owing to the marked advantages derived from concentration, the three courses outlined above will be given in such a way that they may be taken at the same time by qualified students.

### SPANISH

**SPANISH Aa.**—Elementary Course.—Pronunciation, forms, elementary syntax, dictation, written exercises, memorizing of vocabularies. 1½ college credits. Daily 12:00 L. 23. Mr. ....

**SPANISH Ab.**—This is the Second Semester of First Year Spanish. Those who take this course must have had at least a half year of successful work in Spanish. 1½ college credits. Daily 11:00 P. 28. Mr. Hathaway.

**SPANISH Ib.**—Intermediate Course.—Work of elementary course continued, advanced grammar, including syntax, prose composition, translation, parallel. 1½ college credits. Daily 9:00 L. 9. Mr. Crow.

## ROOMS

All rooms in Buckman Hall and Thomas Hall are reserved for women in the summer. These rooms are supplied with two good iron bedsteads and mattresses, chiffonier or bureau, a table, washstand and chairs. All students are required to provide for themselves a pillow, bed linen, towels, and other things as they may want for their own special convenience.

All dormitory rooms have usually been reserved by May 1, but good rooms adjacent to the campus can be obtained at a moderate price. Within the past year several large rooming houses and private dwellings have been built within three blocks of the campus, which will greatly increase the rooming facilities for those who cannot obtain rooms in the dormitory. A list of desirable rooming houses will be sent on request.

All who expect to occupy dormitory rooms, which in every case are comfortable and commodious, should make reservations as soon as possible. If for sickness or other reasons a student finds it impossible to come to the Summer School, reservation should be cancelled so that other students may have an opportunity to occupy the room that has been reserved.

## BAGGAGE DELIVERY

Students who engage rooms in the dormitories in advance will receive tags properly addressed to be attached to baggage. To secure prompt delivery, students should place these tags on their baggage and should give their checks to authorized transfer agents who will meet all trains.

For room reservations and general information as to the Summer School, address,

J. W. NORMAN,  
Dean of Teachers College,  
Gainesville, Fla.

**THE GATOR SUMMER SCHOOL**

Composed by O. I. Woodley.

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(Tune: The Quilting Party)

In this place we love so dearly,  
'Mid the pines where honors rule,  
There is found a noble institution,  
'Tis the Gator Summer School.

(Chorus)

In the Gator Summer School,  
In the Gator Summer School,  
Here we daily come for inspiration,  
In the Gator Summer School.

Here we gather life's rich treasures,  
Help to read from life's great scroll,  
From the learned, wise and skilful teachers  
In the Gator Summer School.

Here are formed sincerest friendships,  
For the years that will unroll,  
And our lives will ever be the richer  
For the Gator Summer School.

We will ever sing her praises,  
As we reach our highest goal,  
And our hearts will always thrill while singing  
Of the Gator Summer School.