

**REGISTER—PART IX**

**ANNOUNCEMENT OF THE  
SOUTHERN BRANCH**

**FOR THE**

**ACADEMIC YEAR 1919-20**

**OUTLINE OF ANNOUNCEMENT PUBLISHED**

**JULY, 1919**

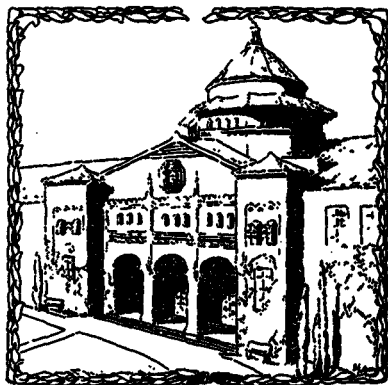
**UNIVERSITY OF CALIFORNIA**

**SOUTHERN BRANCH**

*At the buildings formerly occupied by the State Normal School*

**LOS ANGELES**

**PRELIMINARY ANNOUNCEMENT**



**Sept. 15, 1919 to June 25, 1920**

**The following courses will be offered:**

The regular teachers' courses, leading to special certificates, in Fine Arts, Home Economics, Music, Physical Education, Commercial Practice, Mechanic Arts, and Kindergarten-Primary. These courses, with the exception of the Kindergarten-Primary course, provide four years of work.

A four-year course, for the training of elementary teachers, the first two years of which meet the requirements of the State Board of Education and lead to the Elementary Teachers' Certificate.

Regular Junior College courses of two years, of which the first year only will be offered in 1919-1920.

**Requirements for admission:**

The requirements for admission are the same for all courses. They are those defined by the University. A graduate of a California high school may enter the University of California without examination provided the following requirements be satisfied:

1. The school must have been accredited by the University of California.

2. The applicant must have completed a four-year high school course aggregating at least 15 standard units of preparatory work (the equivalent of 45 units by the scale heretofore used), and he must be duly certified as a graduate of the school.

3. The candidate must be recommended for admission to the University of California according to the following form:

I certify that.....was graduated from the.....School, ....., 19....., after an attendance at said school of not less than one school-year\* immediately preceding graduation. I believe that the candidate is fitted to undertake college work, with reasonable prospect of success, for the following reasons: (1) that he (or she) possesses, in my judgment, the needful ability, character, and seriousness of purpose; and (2) that he (or she) has satisfactorily completed the.....units of preparatory work listed below: (list of subjects follows).

(Signed).....

Principal of High School.

\*If, however, candidate has completed all of his high school work in accredited institutions, and if the principals of these several schools unite in recommending him, the usual requirement that the candidate must have spent his senior year in the school from which he is graduated may be set aside.

Inasmuch as the Legislature was able to make but a limited appropriation for the work of the Southern Branch of the University of California, it directed that for the present the enrollment be limited. In accordance with that direction, a limit of 250 has been fixed for admission to the Junior College courses and a limit of 1000 to the Teachers' Courses for the academic year 1919-1920.

In order to avoid possible failure to secure admission, applicants should register with the Dean as soon after July 20th as possible. Credentials should be filed as soon as they are obtainable from the school authorities in order that they may be passed upon not later than September 1. Failure to complete registration by September 15 will render the applicant liable to the payment of a "late Registration fee" of \$2.00.

### **Brief explanation of the curricula:**

The work of the first two years of the General Professional Course and of the Kindergarten-Primary Course is fixed by the State Board of Education. Its successful completion entitles the student to an Elementary Teacher's Certificate, in one case, and a Kindergarten-Primary Certificate in the other.

The Departments of Fine Arts, Home Economics, Music, Physical Education, Commercial Practice, Mechanic Arts, offer a three-year curriculum, leading to a Special Elementary Certificate, and a four-year curriculum which leads to the Special Secondary Certificate.

In case the student is fully prepared in the subjects prerequisite to undergraduate standing in the General Professional Course, any one of these special curricula may be so combined with the curriculum of that course as to lead to the Special Elementary Certificate and the General Elementary Certificate in a period of three years. On the same condition, both the General Elementary and Special Secondary Certificates may be secured in four years.

The following Junior College Courses will be offered:

Botany; inorganic chemistry; economics, English composition; history of English literature; geology, English history; history of Modern Europe; elementary and intermediate French; Cicero, Virgil, Pliny; Plautus; and Catullus; elementary and intermediate Spanish; plane analytical geometry; college algebra; trigonometry; surveying (civil engineering); meteorology; deductive logic; inductive logic; general psychology; general physics; physiology; public speaking; sociology; zoology; physical education; hygiene; music; fine arts; shop work; physical geography; commercial geography; stenography; typewriting and other commercial branches; military art and gymnasium.

These courses include all of those which are essential to the completion of the first year's work of any of the Colleges of the University located at Berkeley.

The academic year will begin September 15, 1919, and close June 25, 1920, comprising forty weeks divided into three terms of approximately equal length, with a vacation of two weeks between the first and second terms, and a short intermission between the second and third terms.

#### **Expenses and Fees:**

Instruction given by the University of California is free to residents of the state. Fees are collected, however, in many scientific and professional courses to cover the cost of laboratory supplies and breakage. Also an annual fee of five dollars is required of each student for gymnasium privileges, health test, etc.

The Dean's Office will be open for consultation from 9 until 12 o'clock daily. Special appointments may be made by letter or telephone.

Address all communications relating to admission to

**THE DEAN,**

Southern Branch of the University of California,  
Los Angeles, California.

UNIVERSITY OF CALIFORNIA

ANNOUNCEMENT

OF THE

SOUTHERN BRANCH

FOR THE

ACADEMIC YEAR 1919-20

OUTLINE OF ANNOUNCEMENT PUBLISHED

JULY, 1919

Letters of inquiry concerning the University in general should be addressed to the *Recorder of the Faculties, Berkeley, California.*

Inquiries concerning the Southern Branch should be addressed to the *Director, Southern Branch of the University of California, Los Angeles, California.*

In writing for information, please mention the college, department, or study in which you are chiefly interested.

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CALENDAR, 1919-1920

*First Term*

Thursday, September 11, 1919:

10:00 A.M. "Subject A" examination.

Monday, September 15:

8:15. Regular schedule of classes.

11:15. Special General Assembly.

Thursday and Friday, November 27 and 28:

Thanksgiving Recess.

Friday, December 19:

Term closes.

*Second Term*

Monday, January 5, 1920:

8:15. Regular schedule of classes.

Friday, March 26:

Term closes.

*Third Term*

Monday, April 5:

8:15. Regular schedule of classes.

Friday, June 18:

Commencement.

# I. CIRCULAR OF INFORMATION

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## THE UNIVERSITY

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### INTRODUCTION

The following general information concerning the University is important for students in all of its branches and is, therefore, published for the guidance of those interested in the Southern Branch.

### HISTORY

The establishment of the University of California in 1868 came as the result of three separate movements—one originating in private initiative, one in state action, and one in federal action.

Private action owed its inception to the foresight of Rev. Henry Durant. In 1853, under the auspices of the Presbytery of San Francisco, and of the Congregational Association of Oakland, Mr. Durant opened in Oakland the "Contra Costa Academy," soon changed to the name of "College School," in order to signify that the undertaking was only preparatory to a projected college. In 1855, such an institution was incorporated under the name of "College of California." In 1860 that college was formally opened and classes were graduated from 1864 to 1869 inclusive. The instruction was given in buildings in Oakland, but in 1856 a tract of land was secured five miles to the north, and in 1866 the name of Berkeley was given to the townsite about the college campus.

State action had its start in the Constitutional Convention of 1849, which incorporated into the fundamental law recognition of and provision for a state university. There was constant public agitation down to 1868 for making the provisions effective.

Federal action began in 1853 when Congress gave the state 46,000 acres of land for a "seminary of learning." A further impulse was given in 1862 by the passage of the Morrill Act for the establishment of an Agricultural, Mining and Mechanical Arts College.

In 1867 these three forces began working together to one end—the establishment of a University of California, the private enterprise known as the College of California throwing in its buildings and four blocks of land in Oakland and its 160 acres of land in Berkeley, the federal

government, the Congressional gift of 150,000 acres of public lands, and the state, its property accumulated for the purpose, together with new legislative appropriations. The University of California was formally organized on March 23, 1868.

The University of California is governed by a Board of Regents of twenty-three members, sixteen of whom are appointed by the Governor and hold office for sixteen years, and seven are ex-officio in character and tenure. The internal management is in the hands of the President and Academic Senate, consisting of the faculties and instructors of the University.

The first appointee to the Presidency was Henry Durant (1869-72), followed by Daniel Coit Gilman (1872-75), John LeConte (1875-81), William T. Reid (1881-85), Edward S. Holden (1885-88), Horace Davis (1888-90), Martin Kellogg (1890-99), and Benjamin Ide Wheeler (1899-1919).

In 1896 a movement, which had been undertaken for a permanent and comprehensive building plan on the Berkeley campus, was taken over and financed by Mrs. Phoebe Apperson Hearst. The ultimate plan was selected after two international competitions. A large group of buildings has already been erected on the site, partly from private donations and partly from state appropriations and bond issues.

The Southern Branch of the University of California was established by an act of the Legislature which went into effect July 24, 1919. On that date the Regents of the University assumed control of the grounds, buildings, and equipment of the institution theretofore known as the Los Angeles State Normal School. This institution was originally established by legislative act in March, 1881, as a branch of the San Jose State Normal School. A five-acre site at the corner of Fifth Street and Grand Avenue was provided by popular subscription and here the cornerstone of the first building was laid December 17, 1881. The school opened in August, 1882, with a faculty of three members and an enrollment of sixty-one students. Five years later the branch Normal School became an independent institution with its own Board of Trustees.

The original site and buildings having become inadequate for the growing needs of the institution, in 1907 the Legislature authorized the sale of the property, and in 1911 made an appropriation for the purchase of a more suitable location. In the following year a campus of twenty-four acres (later increased to twenty-five) was purchased, the present site, and on November 18, 1913, the cornerstone of the principal building, known as Millspaugh Hall, was laid. In September, 1914, the school occupied the new group of buildings.

*For Departments and Organization of the University, see pages 11, 12 and 13 of the Circular of Information, which is Part I of this register.*



**UNDERGRADUATE CURRICULA**

In the Southern Branch is given instruction, for the year 1919-20, covering the work of the first year only, of the following seven colleges at Berkeley, in each of which there is an undergraduate curriculum of four years, leading directly, under conditions hereinafter stated, to a bachelor's degree, as follows:

The College of Letters and Science: to the degree of Bachelor of Arts.

The Colleges of Applied Science	}	to the degree of Bachelor of Science
		in the College of Commerce,
		in the College of Agriculture—in any one of seventeen divisions; for example, entomology, forestry, soils,
		in the College of Mechanics—(1) in mechanical engineering, or (2) in electrical engineering, or (3) in marine engineering and naval architecture, or (4) in aerodynamics,
		in the College of Mining—(1) in mining, or (2) in metallurgy, or (3) in economic geology, or (4) in petroleum engineering,
		in the College of Civil Engineering—(1) in railroad engineering, or (2) in sanitary engineering, or (3) in irrigation engineering, or (4) in military engineering,
		in the College of Chemistry—(1) in chemistry, or (2) in chemical engineering.

The University has no preparatory department.

**PROFESSIONAL CURRICULA**

At Berkeley also are the Schools of

Architecture, leading to the degree of Graduate in Architecture;

Education, leading to the degree of Graduate in Education and to the high school teacher's recommendation;

Jurisprudence, leading to the degree of Juris Doctor;

Medicine, first year and part of the second year of the five-year curriculum leading to M.D. (the remainder of the work is given in San Francisco);

and the curricula in

Public Health—three curricula, each leading to the degree of Graduate in Public Health; two of these are given wholly at Berkeley and the third (for candidates for M.D. and Gr.P.H.) is in part at Berkeley and in part in San Francisco;

Home Economics, leading to the degree of Bachelor of Arts in the College of Letters and Science, with a major subject in Household Art or in Household Science.

The work of the California College of Pharmacy, of the Hastings College of the Law, and of the College of Dentistry, is conducted in San Francisco. The first year of work in the Schools of Education and Medicine, the first year of the three-year curriculum in the School of Jurisprudence, the first and second years in the School of Architecture,

and the first and second years of the four-year curriculum in Jurisprudence, may be credited towards the degree of Bachelor of Arts in the College of Letters and Science. The work so credited is regarded as academic, rather than as purely professional in character, and the student pursuing this work is enrolled not only in the appropriate school or curriculum, but also in the College of Letters and Science, and is subject to all the regulations of that college.

In like manner, students in the several curricula in Public Health may be simultaneously candidates for the professional degree of Gr.P.H. and also for the degree A.B. (College of Letters and Science), B.S. (College of Civil Engineering), or M.D. (Medical School).

For *Admission to the University, Preparatory Work Required and Recommended*, and *Preparation for the Various Curricula*, see pages 17-32 of the Circular of Information, which is Part I of this register.

#### MATRICULATION EXAMINATIONS AT LOS ANGELES

Applicants desiring to take matriculation examinations in Los Angeles may pass those conducted by the College Entrance Examination Board; see pages 20 and 21 of the Circular of Information, which is Part I of this Register.

Points on the Pacific Coast at which examinations are usually held are as follows: Los Angeles, Berkeley, Nordhoff, Stanford University, Portland, Seattle, Spokane, Tacoma.

**SOUTHERN BRANCH**

**ADMINISTRATIVE OFFICERS**

**ADMINISTRATIVE BOARD OF THE UNIVERSITY OF CALIFORNIA:**

WILLIAM CAREY JONES, M.A., Chairman,  
CHARLES MILLS GAYLEY, Litt.D., LL.D.,  
COMPTROLLER OF THE UNIVERSITY.

ERNEST CARROLL MOORE, Ph.D., LL.D., Professor of Education and Director of the Southern Branch of the University of California.

RALPH PALMER MERRITT, B.S., LL.D., Comptroller of the University, Secretary of the Board of Regents, and Land Agent.

**ADVISORY ADMINISTRATIVE BOARD, SOUTHERN BRANCH, UNIVERSITY OF CALIFORNIA:**

ERNEST C. MOORE, Ph.D., LL.D., Chairman,  
MONROE E. DEUTSCH, Ph.D.,  
BALDWIN M. WOODS, Ph.D.,  
THE COMPTROLLER OF THE UNIVERSITY.

JESSE F. MILLSFAUGH, M.A., M.D., Dean.

HELEN E. MATTHEWSON, Counselor of Women.

LILLIAN E. RAY, M.D., Physician for Women.

ELIZABETH H. FARGO, Librarian.

M. BURNEY PORTER, Appointment Secretary.

ELIZABETH M. PHILLIPS, Assistant Librarian.

BEATRICE MCLEAN, Library Assistant.

ESTELLA D. LAKE, Library Assistant.

**FACULTY**

JOHN MEAD ADAMS, Ph.D., Associate Professor of Physics.

EVA M. ALLEN, Instructor in Commercial Practice.

HERBERT F. ALLEN, Ph.D., Assistant Professor of English.

CARROLL W. ANGIER, Teacher of Manual Arts.

\* SARAH ATSATT, M.S., Instructor in Biology.

MABEL BARNHART, Instructor in Music.

RUTH E. BAUGH, Instructor in Geography.

KATHLEEN S. BECK, B.S., Instructor in Geography.

\* GLADYS BECKETT, B.S., Instructor in Home Economics.

FREDERICK E. BECKMAN, Ph.D., Assistant Professor of French and Spanish.

EVA H. BERNAYS, Assistant Supervisor of Practice Teaching.

MYRTLE BLEWETT, Instructor in Music.

~~JOHN M. BREWER, Ph.D., Associate Professor of Education.~~

\* Absent on leave.

- 3.2.1 ANNA P. BROOKS, A.B., B.S., Instructor in Fine Arts.
- 3.2.1 MARGARET M. CAMPBELL, B.S., Training School Teacher in charge of the Ninth Grade.
- 3.2 FORD ASHMAN CARPENTER, LL.D., Lecturer in Meteorology.
- 3.2.1 JAMES F. CHAMBERLAIN, Ed.B., B.S., Assistant Professor of Geography.
- 3.2.1 HELEN C. CHANDLER, Instructor in Fine Arts.
- 3.2.1 ORABEL CHILTON, Instructor in Home Economics.
- 3.2 KATHERINE CLOSE, M.D., Lecturer in Physical Training.
- 3.2.1 MYRTLE COLLIER, B.S., Assistant Professor of Mathematics.
- 3.2.1 FREDERICK W. COZENS, M.A., Assistant Professor of Physical Education.
- 3.2.1 W. R. CROWELL, Ph.D., Assistant Professor of Chemistry.
- 3.2.1 MARVIN L. BARSIE, M.A., Assistant Professor of Education.
- 3.2.1 ANNITA DELANO, Instructor in Fine Arts.
- \*MABY E. DOUGLASS, A.B., Teacher in the Kindergarten.
- 3.2.1 MILTON C. DRISKO, Instructor in Mathematics.
- 3.2.1 MAUD EVANS, Instructor in Home Economics.
- 3.2.1 GRACE M. FERNALD, Ph.D., Assistant Professor of Psychology.
- 3.2.1 RUTH C. FISH, Instructor in English.
- 3.2.1 CAROLYN (S) FISHER, Ph.D., Instructor in Psychology.
- 3.2.1 CLARA PALMER FROST, B.S., Assistant Professor of Home Economics.
- 3.2.1 LUCY M. GAINES, M.A., Instructor in History.
- ~~GEORGE W. GALBRAITH, Director of Vocational Teacher Training Classes.~~
- 3.2.1 NELLIE H. GERE, Assistant Professor of Fine Arts.
- 3.2.1 LETA GRAY, Teacher of Home Economics in the Training School.
- 3.2.1 VERA GREENLAW, Instructor in Industrial Arts.
- 3.2.1 BARBARA GREENWOOD, in charge of the Kindergarten Training School.
- \*LUCILE R. GRUNEWALD, Instructor in Physical Education.
- 3.2.1 FLORENCE M. HALLAM, A.B., Instructor in Chemistry.
- 3.2.1 BESSIE E. HAZEN, A.B., Instructor in Fine Arts.
- 3.2.1 RUTH HENRY, M.A., Instructor in Modern Languages.
- 3.2.1 FRED A. HOWE, LL.B., Ph.D., Assistant Professor of English.
- 3.2.1 A. A. HUMMEL, M.S.; D.O., Instructor in Biology.
- 3.2.1 ALICE O. HUNNEWELL, Instructor in English.
2. WENONA F. HUNTLEY, Teacher in the Kindergarten.
- 3.2.1 MABEL C. JACKSON, A.B., Training School Teacher in charge Seventh Grade.
- 3.2 KATHERINE KAHLEY, A.B., Training School Teacher in charge Eighth Grade.
- 3.2.1 BLANCHE KELLS, Training School Teacher in charge of Physical Training.
- \*ELIZABETH E. KEPPIE, Instructor in English.
- 3.2.1 FRANK J. KLINGBERG, Ph.D., Associate Professor of History.
- 3.2.1 AGNES M. KNIGHT, Teacher in the Kindergarten.
- 3.2.1 MELVA LATHAM, A.B., Assistant Professor of History.
- 3.2.1 ELIZABETH LATHROP, Instructor in Home Economics.
- 3.2.1 MYRTA L. McCLELLAN, B.S., Instructor in Geography.

\* Absent on leave.

2. | ARTHUR P. MCKINLAY, Ph.D., Assistant Professor of Latin and French.
2. | HELEN C. MACKENZIE, Training School Teacher in charge of the Third Grade.
2. | AGNES MACPHERSON, Instructor in Home Economics.
2. | ARTHUR A. MACURDA, M.A., Assistant Professor of Education.
2. | HAROLD W. MANSFIELD, Assistant Professor of Applied and Theoretical Mechanics.
2. | J. W. MARSH, Instructor in Mechanic Arts.
2. | C. H. MARVIN, M.A., Assistant Professor of Commercial Practice.
2. | ELIZABETH F. MASCOED, M.A., Instructor in Education; in charge of Kindergarten Training Classes.
2. | LOYE H. MILLER, Ph.D., Assistant Professor of Biology.
2. | FRANK E. OLDER, B.S., Assistant Professor of the Teaching of Agriculture.
2. | KATE F. OSGOOD, Assistant Supervisor of Practice Teaching and Principal of the Training School.
2. | GLADYS PALMER, A.B., Instructor in Physical Training.
2. | ALMA M. PATTERSON, M.A., Instructor in Education.
2. | J. B. PHILLIPS, Instructor in Mechanic Arts.
2. | CARLYLE F. PIERSON, Instructor in Mechanic Arts.
2. | ESTELLA B. PLOUGH, Instructor in Commercial Practice.
2. | CLARA M. PRESTON, Training School Teacher in charge of the Fourth Grade.
2. | MARGIE RICHARDS, Instructor in Physical Education.
2. | RACHEL T. RICHARDSON, B.S., Instructor in Industrial Arts.
2. | EMMA J. ROBINSON, Training School Teacher in charge of the Sixth Grade.
2. | JOSEPHINE E. SEAMAN, Instructor in English.
2. | G. E. F. SHERWOOD, M.A., Associate Professor of Mathematics.
- LOUISE P. SOOY, Instructor in Fine Arts.
2. | KATHERINE SPIERS, B.L., Instructor in English.
2. | LULU M. STEDMAN, Training School Teacher in charge of the Fifth Grade.
2. | BENJAMIN F. STELTER, Ph.D., Assistant Professor of English.
2. | NELLIE B. SULLIVAN, A.B., Instructor in Psychology.
2. | FLORENCE SUTTON, Assistant in Tennis.
2. | EVALYN THOMAS, A.B., Instructor in English.
2. | BERTHA VAUGHN, Teacher of Voice.
2. | CHARLES W. WADDLE, Ph.D., Associate Professor of Education, in charge of Training.
2. | MARION H. WALLACE, Assistant Professor of Physical Education.
2. | EDITH WALLOP, Training School Teacher in charge of the Second Grade.
2. | ETHEL B. WARING, M.A., Training School Teacher in charge of the First Grade.
2. | BERTHA E. WELLS, Assistant Supervisor of Practice Teaching.
2. | BELLE H. WHITICE, Instructor in Industrial Arts.
- \* ANNA M. WIEBALK, Instructor in English.
2. | FRANCES A. WRIGHT, Assistant Professor of Music.

**ORGANIZATION**

The Southern Branch of the University of California comprises the following departments:

*General:*

Biology.  
 Chemistry.  
 Education, Psychology, and Sociology.  
 English.  
 Geography and Geology.  
 History and Political Science.  
 Mathematics.  
 Military Science and Tactics.  
 Foreign Languages.  
 Physics.  
 Practice Teaching.

*Special:*

Commercial Practice.  
 Fine Arts.  
 Home Economics.  
 Kindergarten-Primary.  
 Mechanic Arts.  
 Music.  
 Physical Education.

**SITE AND CLIMATE**

The campus of the Southern Branch of the University of California, comprising twenty-five acres, is bounded by Vermont Avenue, Monroe Street, Heliotrope Drive, and Willowbrook Avenue. The ten buildings which form the group are in a style of architecture reminiscent of the Lombardy style found in northern Italy. The southern California Chapter of the American Institute of Architects awarded the group its first annual medal. The climate of Los Angeles is well suited to college work throughout the year; the air is sea tempered, so that extremes of heat and cold are unknown. The average annual temperature is 62°.

**COURSES OF INSTRUCTION FOR THE YEAR 1919-1920**

The following courses will be offered:

The regular teachers' courses leading to special certificates in Fine Arts, Home Economics, Music, Physical Education, Commercial Practice, Mechanical Arts, and Kindergarten-Primary. With the exception of the last named, each of these courses involves four years of work.

A two-year course for the training of elementary and intermediate teachers, which meets the requirements of the State Board of Education for the preparation of candidates for the Elementary Teacher's Certificate.

The regular junior college course of two years, of which only the work of the freshman year will be offered in 1919-1920.

In accordance with the authorization of the State Legislature the Regents of the University of California have placed a limit of 250 for admission to junior college courses and a limit of 1000 for admission to the teachers' courses for the academic year 1919-1920, since the available funds do not permit of larger enrollment.

In order to avoid possible failure to secure admission, applicants should register with the Dean as soon as possible. Credentials should be filed as soon as they are obtainable from the school authorities, in order that they may be passed upon not later than September 1. A fee of two dollars is charged for late registration, i.e., registration after September 15.

*Brief explanation of the curricula:*

The work of the first two years of the General Professional Course and of the Kindergarten-Primary Course is fixed by the State Board of Education. Its successful completion entitles the student to an Elementary Teacher's Certificate in the one case and a Kindergarten-Primary Certificate in the other.

The Departments of Fine Arts, Home Economics, Music, Physical Education, Commercial Practice, Mechanic Arts, each offer a three-year curriculum, leading to a special Elementary Certificate, and a four-year curriculum, which leads to the Special Secondary Certificate.

In case the student is fully prepared in the subjects prerequisite to undergraduate standing in the General Professional Course, any one of these special curricula may be so combined with the curriculum of that course as to enable the student to secure the Special Elementary and Special Secondary Certificates in four years.

The following junior college courses will be offered:

Botany; inorganic chemistry; economics; English composition; geology; English history; history of Modern Europe; elementary and intermediate French; Cicero; Virgil; Cicero and Comedy; Horace, Odes and Epodes; elementary and intermediate Spanish; plane analytical geometry; college algebra; trigonometry; surveying; meteorology; deductive logic; inductive logic; general psychology; general physics; physiology; public speaking; sociology; zoology; physical education; hygiene; music; fine arts; shop work; physical geography; commercial geography; stenography; typewriting and other commercial branches; military science.

These courses include all of those which are essential to the completion of the first year's work of any of the colleges of the University located at Berkeley.

### THE HIGH SCHOOL PROGRAMME LEADING TO TEACHERS' COURSES

Before a student is admitted to full undergraduate standing in a teachers' course, leading to the Elementary Teacher's Certificate or the Kindergarten-Primary Certificate, he should complete the following courses in a high school:

English Language and Literature (Elementary), including composition and oral expression .....	2 units
English Language and Literature (Advanced) .....	1 unit
Physical Science—One year of general science, including the applied elements of physics, chemistry, and physical geography .....	1 unit
Biological Science, including general biology, physiology, hygiene, and sanitation .....	1 unit
History of the United States and Citizenship, including local and state government .....	1 unit
World History—either of the following:	
General History—a year of general history with emphasis on modern European history .....	1 unit
or	
World History—a two-year course in ancient, medieval and modern history .....	2 units
Drawing and Painting, emphasizing applied design .....	1 unit
Music, including sight reading, three-part singing, and elementary harmony .....	1 unit
Manual Training or Household Arts, or both; provided that for students entering after June 30, 1920, one unit shall be required .....	$\frac{1}{2}$ unit
Elements of agriculture, including practical work in gardening, floriculture, and plant propagation; provided, that for students entering after June 30, 1920, one unit shall be required .....	$\frac{1}{2}$ unit

Candidates for admission to the Department of Fine Arts, in addition to the general admission requirements, must submit acceptable original designs and drawings from nature.

For admission to the Department of Home Economics, students should offer one-half year each of elementary cooking and sewing and one year of general chemistry as part of their high school preparation.

For admission to the Department of Mechanical Arts, students should include in their high school courses at least one-half unit of plane geometry.

For admission to the Department of Music students should be prepared to sing at sight music of moderate difficulty, to write simple



music from dictation; and to play the piano sufficiently well to accompany a high school chorus.

For admission to the Department of Physical Education, students should be prepared to offer at least one-half unit in physiology and hygiene and at least one-half unit in either physics or chemistry.

For admission to the Department of Kindergarten Training, students should be able to play the piano with a fair degree of proficiency.

*The Junior College curricula* at the Southern Branch are identical with the freshman and sophomore years of the curricula in the various schools and colleges, pages 32 to 59 of the Circular of Information, which is Part I of this Register.

## THE TEACHERS' CURRICULA

### GENERAL PROFESSIONAL COURSE

Leading to the Elementary Certificate.

NOTE.—During the year 1919–1920 the three-term plan of twelve weeks each will be used for the teachers' curricula. One term-hour on the trimester plan equals two-thirds of a unit on the semester basis. A term-hour represents one class period a week for one term.

Required for the completion of the Lower Division and for obtaining the Elementary certificate, 102 term hours, distributed as follows:

#### 1.—Professional Courses—39 hours

Psychology 10.....	3
Psychology 11.....	2
Psychology 12.....	3
Education 13.....	1
Sociology 10.....	2
Sociology 11.....	3

Education 10.....	2
Education 11.....	3
Education 12.....	2
Elective in Psychology, Education or Teaching.....	3
Practice Teaching 10.....	5
Practice Teaching 11, 12.....	10

#### 2.—Basal Courses—53 hours

Art 10.....	3
Biology 10†.....	3
Biology 11†.....	3
Biology 12†.....	3
English 10.....	3
English 11.....	3
Geography 10.....	3
Geography 11.....	3
Home Economics 10‡.....	3
History 10.....	3
History 11, 12, or 13.....	2
Library Methods.....	‡

Manual Arts 10.....	3
Manual Arts 11‡.....	3
Mathematics 10.....	3
Mathematics 11 or 12.....	2
Music 10.....	3
Penmanship 10.....	3
Physical Education 10.....	2
Physical Education 11.....	2
Physical Education 12.....	2
Reading 10.....	3
Spelling Methods.....	‡

#### 3.—Elective Courses—10 hours

† Three basal courses in Biology are offered of which the student should choose two. His choice must be approved by the Department of Biology.

‡ Alternatives—choose one.

NOTE.—Prescribed courses are designated by the numbers 10–19; Elective Courses by the numbers 20–29; Courses designed to remedy deficiencies in entrance requirements by the numbers 1–9.

## TYPICAL SCHEDULES

In order to facilitate the making of students' programmes, three alternative courses of study are offered, to one of which each student will be assigned upon entrance. These courses are designated by the Roman numerals I, II, III, and differ only in the order of courses.

I.		II.		III.	
Junior C		Junior C		Junior C	
	Hours		Hours		Hours
Education 10.....	2	Education 10.....	2	Education 10.....	2
Psychology 10.....	3	Psychology 10.....	3	Sociology 10.....	2
Physical Education 10.....	2	Physical Education 10.....	2	English 10.....	3
English 10.....	3	History 10.....	3	Geography 10.....	3
Biology 10 (or 11 or 12).....	3	Geography 10.....	3	Biology 10 (or 11 or 12).....	3
Manual Arts 10.....	3	Home Economics 10 (or M. A. 11).....	3	Art 10.....	3
	16		16		16
Junior B		Junior B		Junior B	
Psychology 11.....	3	Psychology 11.....	2	Psychology 10.....	3
Child Hygiene.....	1	Sociology 10.....	2	Physical Education 10.....	2
Library Methods.....	4	Child Hygiene.....	1	History 10.....	3
Spelling Methods.....	4	Library Methods.....	4	Biology 11 (or 12 or 10).....	3
Physical Education 11.....	2	Spelling Methods.....	4	Geography 11.....	3
Geography 10.....	3	English 10.....	3	Music 10.....	3
Penmanship 10.....	3	Biology 10 (or 11 or 12).....	3	Library Methods.....	4
Home Economics 10 (or M. A. 11).....	3	Penmanship 10.....	3	Spelling Methods.....	4
Music 10.....	3	Manual Arts 10.....	3		
	19		18		
Junior A		Junior A		Junior A	
Sociology 10.....	2	Psychology 12.....	3	Psychology 11.....	2
Physical Education 12.....	2	Teaching 10.....	5	Child Hygiene.....	1
Reading 10.....	3	Physical Education 11.....	2	History 11.....	2
Mathematics.....	3	Reading 10.....	3	English 11.....	3
History 10.....	3	Mathematics 10.....	3	Physical Education 11.....	2
Art 10.....	3			Home Economics 10 (or M. A. 11).....	3
Electives.....	2			Manual Arts 10.....	3
	18		16	Electives.....	2
					18



Students who are candidates for the Elementary Teachers' Certificate or the Kindergarten-Primary Certificate are required either to pass a satisfactory examination in reading, writing, spelling, English grammar, composition, arithmetic, and geography, or to complete the course or courses provided in these subjects, before being admitted to full undergraduate standing. Such examination must be taken not later than the end of the first half-year.

#### ADDITIONAL WORK

When students have completed the two-year-course required for the Elementary Certificate, if they desire to do additional work, they may be admitted to the Junior College courses and to more advanced courses supplementary to the professional curriculum they have already completed. The Dean will advise such students with reference to the courses which may most profitably be taken.

#### COMMERCIAL PRACTICE COURSES

It is the purpose of the Department of Commercial Practice to prepare young men and women for business and for teaching special commercial subjects in intermediate and high schools.

The needs of those coming for special work in commercial lines who have had college training, business experience, or a two-year course in a Normal School, are so varied that we make no effort to tabulate their requirements in advance. The time required for graduation may be estimated as follows:

- (a) College graduates, one year.\*
- (b) Junior College graduates, two years.
- (c) High school graduates and others who have had sound business experience will be given appropriate credit.

Each case is decided on its own merits.

The three-year courses printed herein are arranged to suit the needs of high school graduates.

#### ADVANCED STANDING

High school graduates who have had commercial training may be admitted to advanced standing in the Department of Commercial Practice, electing equal number of units in other subjects. The course is not shortened because of such standing.

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\* College graduates will observe that the special secondary certificate may be obtained by them in practically the same length of time required of them for the general elementary certificate.

Those who have taken commercial training since completing a four-year high school course will be given such advanced standing as the department may determine after examining work presented by the candidate, or after certain oral or written tests have been taken.

**VALUE OF CERTAIN HIGH SCHOOL EQUIVALENTS**

Time devoted in the secondary school period to study or work in the special subjects in which the candidate desires certification may be substituted at the rate of half-time for similar studies or work in the collegiate period. Such substitution shall not exceed one-half of the total time required in the special subject or subjects.

All courses are open to election by students of other departments.

Departmental and supplemental courses which are offered in the General Professional School are explained elsewhere.

THREE-YEAR AND FOUR-YEAR CURRICULA IN COMMERCIAL PRACTICE

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
1	Hours	4	Hours	7	Hours	10	Hours
Pen. 10.....	3	Book. C11.....	3	Biol. 16.....	1	Short. 13.....	3
Educ. 10.....	2	Short. 10.....	3	Geog. 11.....	3	Book. C13.....	3
Type. 10.....	3	Pay. 12.....	2	Book. C12.....	3	Pen. 12.....	3
Eng. 10.....	3	Teach. C10.....	3	Off. Prac.....	2	Teach. C100.....	5
Soc. 10.....	2	Biol. 10, 11, 12.....	3	Short. 12.....	3	Econ. 10.....	3
H. E. 10 or M. A. 10.....	3	Off. Prac.....	2	Teach. 11.....	5		
	16		16		17		17
2		5		8		11	
Math. 21.....	3	Short. 11.....	3	Math. 11.....	2	Book. C14 or Commerce or	
Com. Eng. 10.....	2	Type. 12.....	3	Law. 10.....	3	Short. 14 or Secretarial	
Pen. 11.....	2	Off. Prac.....	2	Off. Prac.....	2	Work.....	6
Geog. 10.....	3	Eng. 11.....	3	Educ. 13.....	3	Econ. 11.....	3
Art 10.....	3	Math. 10.....	3	Phy. Ed. 12.....	2	Mod. Lang. or Elective.....	3
Pay. 10.....	3	Phy. Ed. 11.....	2	Teach. C11.....	5	Educ. 21.....	1
Phy. Ed. 10.....	2	Teach. C10.....	2			Teach. C101.....	5
	18		18		18		18
3		6		9		12	
Music 10.....	3	Teach. 10.....	5	Geog. 26.....	2	Off. Mgr.....	5
Type. 11.....	3	Hist. 10.....	3	Hist. 13.....	2	Econ. 12.....	3
Read. 10.....	3	Biol. 10, 11 or 12.....	3	Educ. 12.....	2	Mod. Lang. or Elective.....	3
Pay. 10.....	2	Off. Prac.....	2	Teach. C12.....	5	Law. 11.....	3
Educ. 11.....	3	Soc. 11.....	3	Electives.....	6	Educ. 23.....	2
Book C10.....	2						
Libr. Meth. Spell.....	1						
	18		16		17		16
Total hours.....	51	Total hours.....	50	Total hours.....	51	Total hours.....	51

FINE ARTS COURSES

A. THREE-YEAR COURSE FOR ELEMENTARY FINE ARTS DIPLOMA

1. Psychology and Education.....	22 units
2. Departmental.....	68 units
3. Elective.....	63 units

Total..... 153 units

FIRST YEAR	SECOND YEAR	THIRD YEAR
First Term	First Term	First Term
Art Appreciation and History 10..... 1	Art Appreciation and History 10..... 1	Art Methods 11..... 2
Design C10..... 3	Illustration 10..... 3	Teaching A11..... 5
Lettering 10..... 3	Art Crafts 10..... 3	Interior Decor. 11..... 3
Draw. & Paint. 10..... 3	Outdoor Sketching 10.. 3	Art Crafts 11..... 3
Psychology 10..... 3	House Design 10..... 3	Outdoor Sketch. 20 or Millinery 20..... 3
Education 10..... 2	Phys. Educ. 12..... 2	Education 11..... 3
Reading 23..... 2	History 20..... 1	
17	16	19
Second Term	Second Term	Second Term
Art App. & Hist. 11..... 1	Art App. & Hist. 14..... 1	Costume Design 10..... 3
Costume App. 10..... 1	Draw. & Paint. 13..... 3	Draw. & Paint. 15..... 2
Design C11..... 3	Illustration 11..... 3	Educ. 12..... 2
Stage Craft 10..... 2	Stage Craft 11..... 2	Stage Craft 12..... 2
Draw. & Paint. 11..... 2	House Furn. 10..... 3	Art Methods 12..... 2
Hist. of Costume 10.... 3	Sociology 11..... 3	Teach. A12..... 5
Sociology 10..... 2	History 21..... 1	
Phys. Educ. 10..... 2		
Clothing 20..... 3		
19	16	16
Third Term	Third Term	Third Term
Art App. & Hist. 12..... 1	Draw. & Paint. 14..... 3	Outdoor Sketch. 21 or English 10..... 3
Design C12..... 3	Interior Decor. 10..... 3	Stage Craft 13..... 3
Draw. & Paint. 12..... 3	Art Methods 10..... 4	Costume App. 11..... 1
Landscape Appr. 10.... 2	Teaching A10..... 5	Art Crafts 12..... 3
Pottery 10..... 3	Psychology 12..... 3	Bookbinding 10..... 3
Manual Arts 10..... 3		
Psychology 11..... 2		
Phys. Educ. 11..... 2		
19	18	13

B. ONE-YEAR COURSE FOR SECONDARY FINE ARTS DIPLOMA

(For graduate of A or C)

<i>Required—</i>	
Departmental.....	39 units
Elective.....	12 units
<b>Total.....</b>	<b>51 units</b>

First Term	Second Term	Third Term
Draw. & Paint. 16..... 3	Draw. & Paint. 17..... 3	Draw. & Paint. 18..... 3
Design C13..... 3	Illustration 12..... 3	Design C14..... 3
Art Method 13..... 2	Costume Design 11..... 3	Interior Decor. 12..... 3
Teaching A100..... 5	Teaching A101..... 5	Teaching A102..... 5
Outdoor Sketch. 20 or Elective.....	Elective..... 3	Art Methods 14..... 2
Education 20..... 2		
18	17	16

**C. THREE-YEAR COURSE FOR GENERAL PROFESSIONAL AND ELEMENTARY  
FINE ARTS DIPLOMA**

**Required—**

1. Psychology and Education.....	22 units
2. Basal.....	53 units
3. Teaching (general).....	10 units
4. Departmental.....	68 units

Total..... 153 units

FIRST YEAR		SECOND YEAR		THIRD YEAR	
First Term		First Term		First Term	
Art App. & Hist. 10.....	1	Art App. & Hist. 13.....	1	Education 11.....	3
Design C10.....	3	Art Craft 10.....	3	Education 12.....	2
Lettering 10.....	3	Illustration 10.....	3	History 11.....	2
Draw. & Paint. 10.....	3	Outdoor Sketch. 10.....	3	Mathematics 10.....	3
Psychology 10.....	3	Psychology 12.....	3	Teaching 11.....	5
Education 10.....	2	Biology 16.....	1		
Reading 10.....	3	Phys. Educ. 12.....	2		
		Library Methods and Spelling Meth.....	1		
	<hr/> 18		<hr/> 17		<hr/> 15
Second Term		Second Term		Second Term	
Art App. & Hist. 11.....	3	Draw. & Paint. 13.....	3	Stage Craft 12.....	2
Design C11.....	3	Illustration 1.....	3	Teaching A11.....	5
Draw. & Design 11.....	2	Stage Craft 11.....	2	Art Methods 11.....	2
Costume App. 10.....	1	House Furn. 10.....	2	Geography 11.....	3
Hist. of Costume 10.....	1	Teaching 10.....	5	English 11.....	3
History 10.....	3			Sociology 11.....	3
Sociology 10.....	2				
Phys. Educ. 10.....	2				
English 10.....	3				
	<hr/> 18		<hr/> 16		<hr/> 18
Third Term		Third Term		Third Term	
Art App. & Hist. 12.....	1	Art Methods 10.....	4	Manual Arts 10.....	3
Draw. & Paint. 12.....	3	Teaching A10.....	5	Music 10.....	3
Design 12.....	3	Art Crafts 11.....	2	Penmanship 10.....	3
Landscape App. 10.....	2	Psychology 12.....	3	Biology 11 or 12.....	3
Psychology 11.....	2	Mathematics 11.....	2	Manual Arts 11 or Home Econ. 10.....	3
Phys. Educ. 11.....	2				
Biology 10.....	3				
Geography 10.....	3				
	<hr/> 19		<hr/> 16		<hr/> 15

**HANDICRAFTS AND ELEMENTARY INDUSTRIAL ARTS COURSES**

Two diplomas are offered by this school:

(a) The Elementary Diploma, preparing the graduate to teach Industrial Arts in the Elementary School. The work may be done entirely in this school or may be combined with that of the General Professional Curriculum or another special curriculum. It is possible by careful planning to obtain two diplomas in three years.

(b) The Secondary Diploma, preparing the graduate to teach Craft Work in the Intermediate and High Schools.



SCHEDULE HANDICRAFTS AND ELEMENTARY INDUSTRIAL ARTS COURSES

FIRST TERM

SECOND TERM

THIRD TERM

1 8:15	Indus. Arts 10 Richardson	M.W.F. 107			Indus. Arts 10 Richardson	M.W.F. 107
2 9:15	Indus. Arts 10 Greenlaw Indus. Arts 10 (second course) Richardson	M.W.F. 106 Tu.Th. 107	Indus. Art 10 Greenlaw Indus. Arts 10 (second course) Richardson Pottery Richardson	M.W.F. 106 M.W.F. 107 M.W.F. 102	Indus. Arts 10 Greenlaw Indus. Arts Educ. Richardson	M.W.F. 106 M.W.F. 107
3 10:15	Indus. Arts 10 Greenlaw Bookbinding Cont. Whitice Pottery Cont. Richardson	M.W.F. 106 Tu.Th. 4th 101 Tu.Th. 4th 102	Indus. Arts 10 Greenlaw Weaving Cont. Whitice	M.W.F. 106 Tu.Th. 4th 108	Bookbinding Cont. Whitice Basketry Cont. Greenlaw	Tu.Th. 4th 101 Tu.Th. 4th 106
4 11:15			Indus. Arts 10 Richardson	M.W.F. 107	Indus. Arts 10 Greenlaw	M.W.F. 106
5 12:15						
6 1:15	Indus. Arts 10 Richardson Bookbinding Cont. Whitice Metal Craft Cont. Whitice	M.W.F. 107 Tu.Th. 7th 101 M.W.F. W. 7th Metal Sh.	Indus. Arts 10 Richardson Bookbinding Cont. Whitice Leather Craft Cont. Whitice	M.W.F. 107 Tu.Th. 7th 101 M.W.F. W. 7th 101	Indus. Arts 10 Richardson Weaving Cont. Whitice Metal Craft Cont. Whitice	M.W.F. 107 Tu.Th. 7th 108 M.W.F. W. 7th Metal Sh.
7 2:15					Indus. Arts for Rural Schools Richardson	Tu.Th. 107
					Pottery (also W. 7th) Richardson	M.W.F. 102

If there is sufficient demand late afternoon classes will be organized in the different crafts.

## Announcement of the Southern Branch

## I. FOR GENERAL PROFESSIONAL AND HOME ECONOMICS ELEMENTARY DIPLOMAS

1. Basals.....	56 hours
2. Psychology and Education.....	22 hours
3. Practice Teaching (General).....	10 hours
4. Departmental (including Practice Teaching).....	65 hours
<b>Total</b> .....	<b>153 hours</b>

FIRST YEAR		SECOND YEAR		THIRD YEAR	
Junior C		Senior F		Senior C	
	Hours		Hours		Hours
Education 10.....	3	English 11.....	3	Food 14.....	3
Home Economics 10.....	3	Clothing 12.....	3	Clothing 14.....	3
English 10.....	3	Food 12.....	3	Administration 11.....	2
Pennanship 10.....	3	Psychology 11.....	2	Teaching H. E. 12.....	4
Reading 10.....	3	History 10.....	3	Millinery 10.....	2
Science 10.....	3	Home Economics Education 10.....	3	Geography 11.....	3
<b>Total</b> .....	<b>18</b>	<b>Total</b> .....	<b>17</b>	<b>Total</b> .....	<b>17</b>

JUNIOR B		SENIOR B		SENIOR A	
	Hours		Hours		Hours
Chemistry 10.....	3	Teaching 10.....	5	Teaching 11.....	5
Food C10.....	3	History 11.....	3	Dietetics C. 10.....	3
Clothing 10.....	3	Music 10.....	3	Education 12.....	2
Physical Education 10.....	2	Physical Education 12.....	2	Mathematics 11.....	2
Administration 10.....	2	Psychology 12.....	3	Sociology 11.....	3
Psychology 10.....	3	Nursing and Health.....	2	Demonstration Cooking.....	1
<b>Total</b> .....	<b>16</b>	<b>Total</b> .....	<b>17</b>	<b>Total</b> .....	<b>17</b>

JUNIOR A		SENIOR D		SENIOR C	
	Hours		Hours		Hours
Food 11.....	3	Clothing 13.....	3	Teaching 11.....	5
Clothing C11.....	3	Food 13.....	3	Dietetics C. 10.....	3
Art 10.....	3	Education 11.....	3	Education 12.....	2
Sociology 10.....	2	Teaching H. E. 11.....	4	Mathematics 11.....	2
Geography 10.....	3	Science 11.....	3	Sociology 11.....	3
Mathematics 10.....	3	Food 16.....	1	Demonstration Cooking.....	1
<b>Total</b> .....	<b>17</b>	<b>Total</b> .....	<b>17</b>	<b>Total</b> .....	<b>17</b>

HOME ECONOMICS COURSES

The School of Home Economics offers the following courses:

I. A three-year course, leading to a diploma which entitles the holder to teach both home economics and general professional subjects in elementary schools.

II. A three-year course leading to a diploma which entitles the holder to teach home economics in the elementary schools.

III. A four-year course leading to a diploma which entitles the holder to teach home economics in the elementary and the secondard schools.

IV. A two-year special course leading to a certificate which entitles the holder, under the Smith-Hughes Act, to teach home economics in both vocational and standard high schools.

II. FOR HOME ECONOMICS ELEMENTARY DIPLOMAS

This course is the same as Course I except that electives may be substituted for basals with the consent of the Chairman of the Department.

III. FOR HOME ECONOMICS SECONDARY DIPLOMAS  
(For Graduates of I or II)

1. Departmental.....	42 hours
2. Electives.....	9 hours
<b>Total.....</b>	<b>51 hours</b>

Senior C		Senior		Senior A	
Food 15.....	3	Millinery 11.....	3	Dietetics 11.....	3
Clothing 15.....	3	Costume Design 10.....	3	Teaching H. E. 101.....	6
Chemistry 11.....	3	Chemistry 12.....	3	Practice House.....	6
Teaching H. E. 100.....	4	House Furnishing 10.....	3	Elective.....	3
House Design 10.....	2	Elective.....	4		
Elective.....	2				
<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>16</b>	<b>Total.....</b>	<b>18</b>

IV. FOR SMITH-HUGHES SECONDARY DIPLOMAS

This two-year course is for high school graduates who have had four years of experience in the practical work of home-management. The Chairman of the Department will outline a course individually for each candidate for this diploma.

KINDERGARTEN TRAINING COURSES

This school offers two courses: a two-year course leading to a Kindergarten Primary Certificate and a three-year course leading to both the Kindergarten Primary and the General Elementary Certificate. The three-year course is designed to meet the increasing demand of school superintendents for kindergartners trained in both kindergarten and grade work.

*Announcement of the Southern Branch*

**B. THREE-YEAR COURSE FOR BOTH KINDERGARTEN AND GENERAL PROFESSIONAL DIPLOMAS**

Education and Psychology.....	23 hours
Basals.....	55 hours
Departmental.....	65 hours
Teaching.....	10 hours
<b>Total.....</b>	<b>158 hours</b>

FIRST YEAR		SECOND YEAR		THIRD YEAR	
	Hours		Hours		Hours
Education 10.....	2	Psychology 11.....	2	Psychology 12.....	3
Basals.....	14	Basals.....	5	Teaching K11.....	10
		Kindergarten.....	10	Kindergarten.....	5
<b>Total.....</b>	<b>16</b>	<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>18</b>
<b>Second Term</b>		<b>Second Term</b>		<b>Second Term</b>	
Psychology 10.....	3	Child Hygiene.....	1	Sociology 11.....	3
Basals.....	11	Teaching K10.....	10	Teaching 11.....	5
Kindergarten.....	3	Kindergarten.....	6	Basals.....	6
<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>18</b>
<b>Third Term</b>		<b>Third Term</b>		<b>Third Term</b>	
Sociology 10.....	2	Education 11.....	3	Education 12.....	2
Basals.....	8	Teaching 10.....	5	Educational Elective.....	3
Kindergarten.....	7	Kindergarten.....	3	Kindergarten.....	7
		Basals.....	6	Basals.....	4
<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>16</b>

Kindergarten Education 10-16.

These courses consist of a study of Froebel's philosophy and educational principles as embodied in his Mother Play and Education of Man, and the relation of these to modern educational theory and practice; also, application of these principles to kindergarten procedure and to the formulation of the kindergarten programme.

A. TWO-YEAR COURSE FOR THE TRAINING OF KINDERGARTEN TEACHERS

Required:

a. Psychology and Education.....	18 hours
b. Departmental.....	65 hours
c. Basal.....	14 hours
d. Primary Teaching.....	5 hours
<b>Total.....</b>	<b>102 hours</b>

FIRST YEAR		
First Term	Units	
Psychology 10.....	3	
Biology 16.....	1	
Basals.....	6	
Manual Arts 10K.....	3	
Kindergarten Education 10.....	2	
Games 10.....	1	
<b>Total.....</b>	<b>16</b>	

Second Term		
Psychology 11.....	2	
Sociology 10.....	2	
Basals.....	5	
Manual Arts 11K.....	3	
Kindergarten Education 11.....	2	
Games 11.....	1	
Piano 10.....	2	
<b>Total.....</b>	<b>17</b>	

Third Term		
Psychology 12.....	3	
Basals.....	2	
Manual Arts 12K.....	3	
Kindergarten Education 12.....	2	
Games 12.....	1	
Stories 10.....	3	
Observation K.....	2	
<b>Total.....</b>	<b>16</b>	

SECOND YEAR		
First Term	Units	
Education 10.....	3	
Teaching K10.....	10	
Manual Arts 13K.....	2	
Kindergarten Education.....	3	
<b>Total.....</b>	<b>18</b>	

Second Term		
Education 13P.....	3	
Sociology 11.....	3	
Teaching 10.....	5	
Kindergarten Education 14.....	2	
Stories 11.....	2	
Games 13.....	1	
Piano 11.....	1	
<b>Total.....</b>	<b>17</b>	

Third Term		
Education 12.....	2	
Teaching K11.....	10	
Kindergarten Education 15.....	3	
Kindergarten Education 16.....	2	
Games 14.....	1	
<b>Total.....</b>	<b>18</b>	

**MECHANIC ARTS COURSES**

The School of Mechanic Arts offers four courses:

**A. Three-Year Mechanic Arts Course.**

Designed for those who wish to teach Woodwork and Instrumental Drawing in the elementary school. Completion of the course entitles the student to a diploma of the elementary grade.

**B. Four-Year Mechanic Arts Course.**

The work is arranged to meet the needs of four classes of students.

*a. Teaching*—The student who wishes to teach industrial work in the elementary and secondary school. At the completion of the course a secondary diploma and a special teachers' certificate is granted. At least two years' work is required in the special subjects selected for certification.

*b. Industry*—For one who wishes a thorough training to fit him to take his place in our rapidly developing industries. The diploma of the school is granted upon completion of the work.

*c. Engineering*—By careful selection subjects can be taken to meet the requirements of the first two years on an engineering course.

*d. Vocational*—Work can be selected to give intensive training in one particular trade. Credentials will be issued for the units covered.

**C. Three-Year General Professional and Mechanic Arts Course.**

This prepares the graduate to teach woodwork, mechanical drawing and general professional subjects in the elementary school. Upon the satisfactory completion of the work two diplomas are granted; the general normal and the elementary mechanic arts.

A. THREE-YEAR MECHANIC ARTS COURSE

1. Psychology and Education.....	22 hours
2. Departmental.....	68 hours
3. Elective.....	63 hours
<b>Total.....</b>	<b>153 hours</b>

FIRST YEAR		SECOND YEAR		THIRD YEAR	
First Term	Hours	First Term	Hours	First Term	Hours
Drawing C10.....	2	Mechanical Drawing C10.....	3	Woodwork C13.....	5
Woodwork C10.....	5	Biology 16.....	1	Psychology 12.....	3
Education 10.....	3	Industrial Materials.....	2	Teaching M. A. 11.....	5
Elective.....	7	Elective.....	11	Elective.....	4
<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>17</b>

SECOND TERM		THIRD TERM	
Second Term	Hours	Second Term	Hours
Drawing C11.....	2	Woodwork C14.....	5
Woodwork C11.....	5	Education 11.....	3
Sociology 10.....	3	Teaching M. A. 12.....	5
Elective.....	7	Elective.....	4
<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>17</b>

THIRD TERM	
Third Term	Hours
Drawing C12.....	1
Woodwork C12.....	5
Psychology 10.....	3
Elective.....	3
Elective.....	8
<b>Total.....</b>	<b>17</b>

THIRD TERM	
Third Term	Hours
Woodwork C15.....	5
Education 12.....	2
Teaching M. A. 13.....	2
Teaching M. A. 13.....	5
Elective.....	3
<b>Total.....</b>	<b>17</b>

B. FOUR-YEAR MECHANIC ARTS COURSE

1. (a) For Teaching, Psychology and Education, or (b) For Industry.....	22 hours
2. Departmental.....	111 hours
3. Elective.....	71 hours
<b>Total.....</b>	<b>204</b>

FIRST YEAR HOURS	SECOND YEAR HOURS	THIRD YEAR HOURS	FOURTH YEAR HOURS
Drawing C10, C11, C12 ... 5	Mech. Draw. 13, 14, 15.... 12	Shop..... 15	Shop..... 15
Mech. Draw. C10, C11, C12 10	Shop..... 15	Industrial Materials..... 2	Elective..... 11
Shop..... 15	Elective..... 16	Elective..... 24	
Elective..... 21	(a)	(a)	(a)
<b>Total..... 51</b>	Education 10..... 3	Biology..... 1	Psychology 12..... 3
<i>Elective Group</i>	Sociology 10..... 3	Sociology 11..... 3	Teaching M. A. 11, 12, 13, 15
English	Psychology 10..... 3	Psychology 11..... 2	Education 11, 12..... 5
Mathematics	<b>Total..... 51</b>	Teaching M. A. 10..... 4	Education M. A..... 2
Language	(b)	<b>Total..... 51</b>	Ten weeks Com'1 Shop
Physics	Physics..... 9	Applied Mechanics..... 10	Experience.....
Chemistry	<b>Total..... 51</b>	(b)	<b>Total..... 51</b>
Physical Training	<i>Elective Group</i>	Applied Mechanics..... 15	Business Law..... 6
Military Training	English	<b>Total..... 15</b>	Shop Management..... 5
	Language		Accounting..... 9
	Mathematics		Applied Mechanics..... 5
	Industrial Geography		<b>Total..... 51</b>
	Art		<i>Elective Group</i>
	Chemistry		Machine Design
	Printing		Architectural Drawing
			Automotive Lab.
			Applied Electricity
			Current Mechanics
			Vocational Guidance
			Hydro Electrics



C. THREE-YEAR COURSE FOR GENERAL PROFESSIONAL AND ELEMENTARY MECHANIC ARTS DIPLOMAS

1. Basals.....	56 hours
2. Psychology and Education.....	22 hours
3. Practice Teaching (General).....	10 hours
4. Departmental.....	65 hours
<b>Total.....</b>	<b>153 hours</b>

	FIRST YEAR		SECOND YEAR		THIRD YEAR	
	First Term	Hours	First Term	Hours	First Term	Hours
Art 10.....		3	Mechanical Drawing C10.....	3	Teaching 11.....	5
Education 10.....	3		Drawing C10.....	2	Woodwork 14.....	5
Psychology 10.....	3		Woodwork C11.....	5	Music 10.....	2
English 10.....	3		Psychology 12.....	3	Physical Training 11.....	2
Math. 10.....	3		History 11 or 12 or 13.....	2	Industrial Materials.....	2
Phy. Tr.....	2		Mathematics 11.....	2		
<b>Total.....</b>	<b>17</b>		<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>16</b>

	SECOND TERM		THIRD TERM	
	Second Term	Hours	Second Term	Hours
Psychology 11.....	2		Teaching M. A. 11.....	5
English 11.....	3		Woodwork 15.....	5
Science 10 or 11.....	3		Science 12.....	3
Geography 10.....	3		Education 12.....	2
Manual Arts 11.....	5		Physical Training 12.....	2
<b>Total.....</b>	<b>16</b>		<b>Total.....</b>	<b>17</b>

	THIRD TERM	
	Third Term	Hours
Sociology 10.....	2	
Biology 16.....	1	
History 10.....	3	
Geography 11.....	3	
Woodwork C10.....	5	
<b>Total.....</b>	<b>16</b>	

	SECOND TERM		THIRD TERM	
	Second Term	Hours	Third Term	Hours
Mechanical Drawing C11.....	3		Teaching M. A. 12.....	5
Drawing C11.....	2		Shop.....	5
Teaching 10.....	5		Education M. A.....	2
Woodwork C12.....	5		Reading 10.....	3
Sociology 11.....	3		Library and Spelling Methods.....	1
<b>Total.....</b>	<b>18</b>		<b>Total.....</b>	<b>16</b>

**MUSIC COURSES****ADMISSION REQUIREMENTS**

All students who elect the elementary or secondary first group or second group courses must be able to sing music of the grade of Book II, State Music Text, at sight; to write from dictation music of the grade of Book I, State Music Text; and to play the piano sufficiently well to accompany a high school chorus (Laurel Song Book). Entrance examination will include these tests.

Students who furnish satisfactory evidence of the completion of prescribed music courses may substitute others.

**MUSIC ORGANIZATIONS**

One year in each of the three music organizations is required of all music students. No credit.

Attendance at department meetings is compulsory.

**COURSES**

Three courses are offered for the training of directors, supervisors, and departmental teachers of music leading to three types of diplomas: General Professional and Elementary, requiring three years; Elementary Music only, requiring three years; and Secondary Music, one year in addition to either of the above courses.

Thirty hours for a major and fifteen hours for a minor are to be chosen after consultation with the Department of Music.

FOR GENERAL PROFESSIONAL AND ELEMENTARY MUSIC DIPLOMA

Departmental.....	68 hours
Professional.....	31 hours
Basal.....	53 hours
<b>Total.....</b>	<b>152 hours</b>

FIRST YEAR		SECOND YEAR		THIRD YEAR	
	Hours		Hours		Hours
<b>First Term</b>					
Melodic Dictation 10 (2L).....	3	Harmony 10.....	3	Teaching M10.....	5
Voice C10.....	2	Chorus Conducting 10.....	1	History and Appreciation 10.....	3
Psychology 10.....	3	Music Education 10.....	3	Harmony (composition C12a).....	3
Basals 10.....	9	Music Observation 10 (2L).....	3	Sociology 10.....	2
		Teaching 11.....	5	Education 12.....	2
		Basal.....	2	Biology 10.....	1
<b>Total.....</b>	<b>17</b>				
		<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>16</b>
<b>Second Term</b>					
Melodic Dictation 11 (2L).....	3	Harmony C11.....	3	Teaching M11.....	5
Voice C11.....	2	Chorus Conducting 11.....	1	History and Appreciation 11.....	3
Psychology 11.....	2	Music Education 11.....	3	Basals 9.....	9
Basals 11.....	9	Basals.....	7		
		Education 10.....	2		
<b>Total.....</b>	<b>16</b>			<b>Total.....</b>	<b>17</b>

THIRD TERM		THIRD TERM	
	Hours		Hours
<b>Third Term</b>			
Melodic Dictation 12 (2L).....	3	Harmony C12.....	3
Voice C12.....	2	Chorus Conducting 12.....	1
Psychology 12.....	3	Music Education 12.....	3
Basals.....	5	Basal.....	7
Teaching 10.....	5	Education 11.....	3
<b>Total.....</b>	<b>18</b>	<b>Total.....</b>	<b>17</b>
		<b>Total.....</b>	<b>50</b>

THIRD TERM		THIRD TERM	
	Hours		Hours
<b>Third Term</b>			
Melodic Dictation 12 (2L).....	3	Teaching M12.....	5
Voice C12.....	2	History and Appreciation C12.....	2
Psychology 12.....	3	Basal.....	4
Basals.....	5	Sociology 11.....	3
Teaching 10.....	5	Music Teaching 12a.....	3
<b>Total.....</b>	<b>18</b>	<b>Total.....</b>	<b>17</b>
		<b>Total.....</b>	<b>50</b>

## Announcement of the Southern Branch

## FOR ELEMENTARY MUSIC DIPLOMA (ONLY)

Departmental.....	68 hours
Professional.....	27 hours
Electives.....	57 hours
Total.....	152 hours

FIRST YEAR		SECOND YEAR		THIRD YEAR	
	Hours		Hours		Hours
Melodic Dictation 10 (2L).....	3	Harmony 10.....	3	Teaching M10.....	5
Voice C10.....	2	Chorus Conducting 10.....	1	History and Appreciation 10.....	3
Professional.....	3	Music Education 10.....	3	Harmony C12.....	3
Elective.....	9	Music Observation (2L) 10.....	3	Professional.....	3
Total.....	17	Elective.....	3	Elective.....	4
		Professional.....	3	Total.....	18
		Total.....	16		
		SECOND TERM		SECOND TERM	
				Teaching M11.....	5
		Melodic Dictation 11 (2L).....	3	History and Appreciation 11.....	3
		Voice C11.....	1	Teaching M13.....	2
		Electives.....	9	Elective.....	3
		Professional.....	2	Professional.....	5
		Total.....	16	Total.....	18
		THIRD TERM		THIRD TERM	
				Teaching M12.....	5
		Melodic Dictation 12 (2L).....	3	History and Appreciation 12.....	3
		Voice C12.....	2	Elective.....	6
		Electives.....	9	Professional.....	2
		Professional.....	3	Total.....	16
		Total.....	17		
		TOTAL		TOTAL	
		17	50	18	16

Education.....		22 (Sec. Ed.)
Psychology.....		23
Stage and Costume Design.....		10
Typewriting.....		10
Art.....		

NOTE.—53 units of Music Electives (courses 20-30) are open to students of the Music Elementary and Secondary courses.		
Additional suggestive electives:		
Education.....		
Psychology.....		
Stage and Costume Design.....		
Typewriting.....		
Art.....		

No basal Physical Training courses are required for Music Elementary students, but six hours of recreation are required of all students.

**SECONDARY MUSIC**

Departmental..... 39 hours  
 Electives..... 12 hours

**Total..... 51 hours**

First Term	Hours	Hours	Hours
Observation (2L) 13....	3	Teaching M.101.....	5
Teaching M.100.....	5	Piano 14.....	3
Piano (2L) 13.....	3	Harmony 13.....	3
Music Literature 13....	3	Elective.....	6
Elective.....	3		
<b>Total.....</b>	<b>17</b>	<b>Total.....</b>	<b>17</b>

Hours	Hours
Teaching M.102.....	5
Music Literature 14....	3
Piano 15.....	3
Harmony 14.....	3
Elective.....	3
<b>Total.....</b>	<b>17</b>

For admission to courses leading to the diploma in physical education, applicants are required to present among the fifteen required entrance units at least one-half unit in physiology and hygiene and at least one-half unit in both physics and chemistry. Preparatory courses in physiology, physics and chemistry are offered for applicants who cannot meet this requirement. Deficiencies must be removed before the close of the junior year.

### SCHOOL OF PHYSICAL EDUCATION

#### A. THREE-YEAR COURSE FOR GENERAL PROFESSIONAL AND ELEMENTARY PHYSICAL EDUCATION DIPLOMAS

Departmental (including teaching).....									75 hours
Basals.....									47 hours
Professional.....									21 hours
Practice Teaching.....									10 hours
Total.....									153 hours

	FIRST YEAR		SECOND YEAR		THIRD YEAR		Hours
	First Term	Hours	First Term	Hours	First Term	Hours	
Education 10.....	2	2	Mathematics 10.....	3	Sociology 11.....	3	3
English 10.....	3	3	Sociology 10.....	2	Mathematics 11.....	2	2
Science 10 (Nature Study).....	3	3	English 11.....	3	Physiology 11.....	4	3
Penmanship 10.....	3	3	History 11.....	2	The Physical Examination.....	4	2
Spelling and Library Methods.....	1	1	Theory 12.....	3	Athletic Activities 12.....	6	3
Anatomy 10.....	3	3	Practice Teaching.....	2	Teaching 11.....	5	5
Practice 10.....	3	1½	Child Development 10.....	3			
			Athletic Activities 10.....	3			
Total.....	16½	16½	Total.....	17½	Total.....	18	18

	Second Term	Hours	Second Term	Hours
Psychology 10.....	3		Psychology 11.....	3
Biology 16.....	1		Science 11 (Physical Education).....	3
Geography 10.....	3		Personal Hygiene.....	3
Music.....	3		Aesthetic Dancing 10.....	2
Anatomy 11.....	5		Practice 12.....	3
Theory 10.....	3		Teaching 10.....	5
Practice 11.....	3	1½	Total.....	16½
Total.....	17½			

	Third Term	Hours	Third Term	Hours
History 10.....	3		Psychology 12.....	2
Reading 10.....	3		Geography 11.....	3
Anatomy 12.....	3	2	Handwork 10.....	3
Kinesiology.....	3		Histology and Bacteriology.....	3
Theory 11.....	3		Child Development 11.....	3
Folk Dancing 10.....	2	1	Athletic Activities 11.....	5
Practice 12.....	3	1½	Teaching 10 (Physical Education).....	2
Total.....	16½		Total.....	17½

B. A THREE-YEAR COURSE FOR THE ELEMENTARY PHYSICAL EDUCATION DIPLOMA

Required:	
Departmental (as above).....	75 hours
Professional.....	22 hours
Prescribed basals.....	21 hours
Electives.....	21 hours
Total.....	153 hours

C. A FOUR-YEAR COURSE FOR THE SECONDARY PHYSICAL EDUCATION DIPLOMA

Required (in addition to A and B):	
Departmental, including Practice Teaching.....	39 hours
Electives.....	12 hours
Total.....	51 hours

**PRACTICE TEACHING COURSES****THE TRAINING SCHOOL\***

The Training School comprises a kindergarten, the six elementary grades, and the three years (7-9) of the intermediate school. Pupils are admitted upon the same terms as to Los Angeles city schools, and the same general plan of classification and promotion obtains. The school furnishes a thorough elementary and intermediate school education and offers many unusual advantages to its pupils.

The work of this school, however, is sufficiently like that of the Los Angeles city schools to permit transfers to be made to or from such schools without loss. In the intermediate school the same courses are open as are found in Los Angeles intermediate schools.

**PRACTICE TEACHING**

Under the rules of the State Board of Education fifteen hours of practice teaching are required of all students except those who may be partially credited on account of teaching experience. No student is graduated without having satisfactorily completed at least five hours of teaching in one of the training schools.

Practice teaching is afforded in the training schools, where student teachers acquire sufficient experience, under the direction of competent training teachers and supervisors, to enable them to prove their ability to teach successfully.

A high quality of work is demanded of student teachers.† Those who are unable to measure up to the required standard in practice teaching are denied graduation from the school which recognizes its function to be one of selection of those who should teach as well as that of training, for more effective service, those who give promise of success.

Students are assigned for practice teaching in the Training School of the Southern Branch in a Supplemental Training School, as cadet teachers at large in other Los Angeles City schools, or those of nearby cities, or

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\* NOTE.—In addition to the training school, portions of two Los Angeles city schools are utilized as supplemental training schools. In 1918-1919 the Lockwood, Thirty-sixth and Grand Avenue schools were so used. Some students are given opportunity to do cadet teaching in other city schools. A few students each year are assigned to selected rural schools for practice teaching.

† NOTE.—A grade of "4" necessitates additional work in teaching until a standard of at least "3" is reached.



as cadet teachers in rural schools. No student is assigned to either type of cadet teaching who has not had some practice in one of the training schools.

All students except those who enter with second year standing, before receiving the first teaching assignment, must have had one required course in the subject they are assigned to teach and must have reached full second year standing.

Teaching 10 is regularly taken in the first term of the second year; Teaching 11 and 12 will often be assigned concurrently but may be taken in succession in the last two terms; Teaching 20 will often be taken by those who need or desire more than the required teaching experience in either the second or third term.

Practice teaching is usually afforded in a lower (1-3), a middle (4-6), and in an upper (7-9) grade or in a combination of at least two such groups. Some students who are preparing to teach in rural schools are sent into rural communities to devote their entire time to teaching for a period of two weeks. This rural practice teaching is credited as Teaching 12. Students planning to take rural teaching should take Teaching 11 in the second senior term. *Each five hours.*

Students who wish additional practice or who wish to specialize in teaching, either in a certain subject or in a certain grade or group of grades, and those whose first teaching is of such quality as to indicate the need of more than the required amount of teaching elect Teaching 20.

As elective work for those who are qualified there are opportunities for special kinds of work in Los Angeles day and evening schools, in Juvenile Hall, on playgrounds, in gardening classes, etc.

Weekly conferences under the direction of training teachers and supervisors of subjects are required in connection with each teaching assignment in the training schools.

For *General Regulations of the Faculties concerning Military Science, Physical Education and Hygiene, Grades of Scholarship, Conditions and Failures, Leave of Absence and Honorable Dismissal, etc.*, see pages 60 to 68 of the Circular of Information, which is Part I of this Register.

#### EXPENSES OF STUDENTS

Tuition in Academic Colleges at Berkeley and Los Angeles is free to residents of the state. Non-Residents of California are charged a tuition fee of \$10 each half-year.

The following incidental expenses are to be met:

*Gymnasium and Health Test Fee*—\$2.50 per term, payable by every student before his study card is filed. This fee entitles students to a medical examination and the privileges of the Gymnasium and is not remitted in whole or in part for those who may not desire to make use of these privileges. Gymnasium privileges comprise besides the use of the gymnasium, baths, lockers, wash rooms, etc. One-half of the amount of this fee is returned to a student who leaves the University during the first half of a term.

*Laboratory and Departmental Fees*—In the laboratories and in certain departments a charge is made for materials actually used. This charge varies from \$2.00 to \$10.00 per term.

*Other expenses are:* Books and stationery from \$15.00 to \$25.00 per annum; membership in the Student Body 50c per term.

#### THE LIBRARY AT LOS ANGELES

The Library is located in a separate building with a capacity of 50,000 volumes. The reading rooms will accommodate about 400 students.

Students in all departments are entitled to the free use of the library, which is open daily, except Sundays. From Monday to Friday, inclusive, the hours are from 7:45 a.m. to 5 p.m.; Saturday, from 9 a.m. to 1 p.m. The Library contains about 31,000 volumes and 8,000 pamphlets. About 2,500 books are added annually. The Library subscribes for many of the leading periodicals, professional and general. In addition there are about 6,500 bound volumes of the literary and educational magazines.

A course of instruction in the use of books and the library is offered as an elective. Talks on the general use of the library are given each term to entering students; and a Library Handbook, containing rules and regulations and general information regarding the library, has been issued for general distribution.

#### THE APPOINTMENT SECRETARY

Upon the request of school officials the Appointment Secretary recommends teachers who, in the opinion of the faculty, are able to fill satisfactorily the positions for which teachers are being sought. To do this intelligently, it is necessary that the Appointment Secretary have detailed information concerning the vacancies to be filled.

The Secretary makes every endeavor to assist graduates to secure positions of the kind for which they are best fitted. Students are urged

## *Announcement of the Southern Branch*

to make occasional calls at the office of the Appointment Secretary throughout their entire course.

There is no expense to the school officials or to students for the service rendered by this office.

### EXTRA HOURS

Students in the junior college are permitted to carry a programme aggregating 18 units in any term, provided they have no conditions; otherwise they must limit their work to 15 units, including repeated work.

## II. ANNOUNCEMENT OF COURSES

The courses marked with the letter "C," e.g., Chemistry C1A, have been approved by the Committee on Courses of the University for college credit. For the current year no attempt has been made by this Committee to consider courses other than those which can be taken normally by college freshman students.

For the year 1919-20 the academic year will consist of three terms of approximately twelve weeks each. The numbers in parentheses following the titles of courses indicate the credit in term-units. To convert term-units into semester-units multiply by two-thirds. Thus, three term-units equal two semester-units.

The attention of students is called to the fact that for the present only courses marked with the letter "C" will be given college credit at par in the University.

### BIOLOGICAL SCIENCE

- I**
- Biology ~~9~~ <sup>I</sup> Elementary Physiology. (2). Tu Th, 8:15 (6 r) HUMMEL
  - Biology 10. (3). M W F, 9:15. \* I II III HUMMEL  
Physiology and hygiene. Prerequisite: Biology A or its equivalent.
  - Biology 11. (3). 5 hrs., M W F, 8:15, 9:15. \* I II III OLDER  
Elements of agriculture.
  - Biology 12. Nature Study. (3). \* M W F, 9:15, 10:15, 2:15. Ledig  
ATSAFF, MILLER
  - Biology 13, 14. ~~13~~ <sup>(3) (2)</sup> Applied Anatomy. (3). 5 hrs., M W F, 11:15. Ledig  
ATSAFF
  - A study of first aid work. Teachers' course.
  - Biology C20. Evolution. (2). Tu Th, 11:15 MILLER
  - Biology C23. Zoology of the Higher Vertebrates. (2). III, Tu Th, 4:15.  
(2 Lect 1 Lab) 3 (2 Lect 1 Lab) MILLER, Ch.
  - Botany C2A, C2B, C2C. Elementary Botany. (3). Yr.; Tu Th, 1:15.  
MILLER
  - Biology 21. (2). Tu Th, 11:15. III OLDER  
Advanced agriculture for teachers. Prerequisite: Biology 11.
  - Biology 22. (2). Tu Th, 11:15. HUMMEL  
A study of first aid work. Teachers' course.

~~Biology 22. (2). Tu Th, 11:15. HUMMEL~~  
 A study of first aid work. Teachers' course.  
 \* Biology 10 - see Education 13.  
 Physiology C1A-B-C(2) Yr Hummel  
 Zoology C1A-B-C (2) Yr. Miller  
 Lab (2) Yr. Ledig  
 Physiology 11 - (2) I II III

**CHEMISTRY**

- ~~Chemistry 1. Elementary Chemistry. (2). 4 hrs., Tu Th, 9:15. See H.E.~~  
 HUNTER ~~HALLAM~~
- Chemistry 11A, 11B, 11C. (5). Yr. Lectures, M W F, 1:15 CROWELL  
 General inorganic chemistry and qualitative analysis. 3 hrs., lectures  
 and discussion; 4 hrs., laboratory. Prerequisite: matriculation  
 chemistry.
- Chemistry 11. (2). 4 hrs., M W, 8:15, 9:15. HALLAM  
 Food chemistry. Required in the department of Home Economics.
- Chemistry 20. (2). Tu Th, 18:15. HALLAM  
 Applied chemistry.

**CIVIL ENGINEERING**

- C.E. I (4) II III  
~~Civ. Eng. (3). Yr. Hours to be arranged.~~ SHERWOOD

**COMMERCIAL PRACTICE**

- Economics C1A ~~Elements of Economics. (3). Yr.~~ MARVIN
- Bookkeeping C10. (2). I Allen MARVIN
- Bookkeeping C11. (2). II allen MARVIN  
 Prerequisite: Bookkeeping C10.
- Bookkeeping C12. (2). III Rhoads MARVIN  
 Partnership business and special column books. Prerequisite: Book-  
 keeping C11.
- Bookkeeping C13. (3). Accounting Principles I MARVIN  
 Cost accounting. Prerequisite: Bookkeeping C12.
- Bookkeeping C14. (3). Accounting Principles I-II MARVIN  
 Advanced accountancy. Banking and corporation accounting. Pre-  
 requisite: Bookkeeping C13.
- Penmanship 1. 2 hrs. (No credit.) II-III PLOUGH  
 A preparatory course for those who do not pass the entrance examina-  
 tion.
- Penmanship 10. (3). I-II-III - PLOUGH  
 Arm movement and other fundamental principles.

- Bookkeeping C15 (Accounting Principles) (3) I-II-III Marvin  
 Office Practice (2) I Marvin

- Penmanship 11. (2). **II-III** PLOUGH  
Prerequisite: Penmanship 1 or equivalent.  
(Zaner and Palmer certificates are awarded to those who acquire the necessary proficiency.)
- Penmanship 12. Advanced Penmanship. **III (2)** PLOUGH  
Required of commercial students.
- Shorthand 10. (3). **I-II** ALLEN  
A thorough study of twelve lessons in the Gregg Manual.
- Shorthand 11. (3). **II-III** ALLEN  
Gregg Manual completed and reviewed. Dictation. Prerequisite: Shorthand 10 or its equivalent.
- Shorthand 12. (3). **III** ALLEN  
Dictation and accurate transcription. Prerequisite: Shorthand 11.
- Typewriting 10. (3). **I-II** ALLEN  
Prerequisite: Typewriting 10.
- Typewriting 11. (3). **II** ALLEN  
Prerequisite: Typewriting 10.
- Typewriting 12. (3). **III** ALLEN  
Prerequisite: Typewriting 11.
- ~~Business English 10. (3).~~
- ~~Business of Commerce~~  
Commercial Law 10-11. (3) **II III** Allen.  
Shorthand 13 (3) **I**

### EDUCATION, PSYCHOLOGY, AND SOCIOLOGY

*Requirement for the Elementary Certificate:* Students preparing to teach in the elementary school, or to teach special subjects in the secondary schools, must take the following studies in this department: Education 10, Psychology 10, Psychology 11, Sociology 10, Psychology 12, Education 11, Sociology 11, Education 12, and three hours in the advanced courses.

- Education 10. Introductory Course. (2). **I-II** Macurda  
PATTERSON, DARSIE, MATTHEWSON, WINDATR  
First term, Tu Th, 8:15, 9:15, 10:15, 12:15, 3:15.  
Required, during the first term, of all students, except those entering with advanced credit.
- Psychology 10. General Psychology. (3) **I-II-III** SULLIVAN, FISHER  
First term, M W F, 9:15, 10:15, 11:15, 2:15, 3:15.
- Psychology 11. General Psychology, continued. (2) **I-II-III** SULLIVAN  
First term, Tu Th, 12:15. Prerequisite: Psychology 10.

- Educational Sociology 10. (2). ~~I-II-III~~ DARSIE, MACURDA  
 First term, Tu Th, 8:15, 9:15, 10:15, 11:15, 2:15.
- ~~Educational Psychology 12. Child Psychology. (3) I-II-III~~ FISH, FISHER  
 First term, M W F, 8:15, 9:15, 11:15. Prerequisite: Psychology 10 and 11, and Education 10.
- Education 11. Principles of Education. (3) ~~I-II-III~~ PATTERSON, DARSIE, BREWER ~~Macurda~~  
 First term, M W F, 9:15, 1:15, 4:15.
- Educational Sociology 11. (3). ~~I-II-III~~ MACURDA, DARSIE  
 First term, M W F, 8:15, 1:15. Prerequisite: Education 11, Psychology 12.
- ✓ Education 12. Elementary Administration. (2) ~~I-II-III~~ ~~Macurda, Osgood, Fish, Allen~~  
 First term, Tu Th, 11:15, 2:15. Prerequisite: Education 11.
- \* Education 13. Child Hygiene. (1). Tu, 10:15. ~~I-II-III~~ WADDLE  
 Required of all students taking regular teachers' courses.
- Logic C1A, C1B, C1C. Deductive and Inductive Logic. (3) ~~Yr.~~ DARSIE  
 Yr., M W F, 8:15, 1:15.
- Education 113K. Kindergarten Education (1). GREENWOOD.  
 First term, Th, 4:15.
- Education 113P. Primary Education. (3). ~~I-II-III~~ PATTERSON.  
 First term, M W F, 10:15.
- ~~Education 113M. Middle Grades Education. (3).~~
- ✓ Education 113S. Secondary Education. (3). ~~III~~ DARSIE ~~Macurda~~  
 Education 113R. Rural Education. (3) ~~I-II-III~~ ALLEN, KEPTIE ~~Allen~~  
 First term, M W F, 8:15.
- Education 113A. Americanization. (3). First term, M W F, 9:15. FISH  
~~Psychology 120. Advanced Educational Psychology. III(2)~~ FERNALD
- Psychology 121. Clinical Psychology. (2). ~~II~~ FERNALD  
 First term, Tu Th, 4:15, or other hours to be arranged. Prerequisite: Education 120.
- Psychology 122. Introductory Experimental Course. (3) ~~II~~ FISHER  
 First term, Tu Th, 4:15, or other hours to be arranged.
- ~~Education 102. History of Education (2) Yr. Tu Th, 11:15. Macurda~~
- Education 121. Methods of Study. (1). First term, W, 2:15. ~~I-II-III~~
- ~~Education 122. Educational Measurement. (2).~~ DARSIE
- ~~Education 123. Vocational Guidance. (2).~~ BREWER

See Biology 16

## ENGLISH

The requirements in English in the junior college are determined for each student by the examination in Subject A, which is required of all entrants to the colleges of the University. Students who pass this subject with a grade of 1 or 2 are not required, but are advised, to elect English C1A-C1B-C1C. Students who pass Subject A with a grade of 3 are required to take English 1x before obtaining junior standing. Students who receive a grade lower than 3 in Subject A are required to take work in English Composition (English A) until they have passed the examination. No student who has not passed Subject A will be admitted to any course in English Composition except English A. The dates of the examinations are indicated in the Calendar. A fee of two dollars for the examination is required of those who do not present themselves at the appointed time.

English A, 1 yr. No credit. ~~II-III~~

<sup>staff</sup>  
SEAMAN, SPIERS

First term, Tu, 2:15; Th, 1:15. Prescribed for students receiving a grade lower than 3 in Subject A.

English C1x. (2). Tu Th, 9:15, 1:15. ~~I-II-III~~ <sup>staff</sup> ALLEN, STELTER, SPIERS

English C1A, C1B, C1C. (3). <sup>staff</sup> HOWE, ALLEN, STELTER

~~C1A-II-III~~ M W F, 10:15, 1:15; Tu W Th, 2:15 (these sections are open to junior college students only). Prerequisite: satisfactory work in English C1x or grade 1 or 2 in Subject A.

~~C1B I-II-III~~  
~~C1C III~~ English C1A, C1B is prescribed for all candidates for the general elementary teacher's certificate. Three hours for two terms.

~~of English 10, 11~~ HOWE, JACKSON, FISH, SEAMAN, SPIERS, WIEBALE

English 2A, 2B, 2C. (3). M W F, 9:15. yr. <sup>Howe</sup>

General history of English literature; three hours throughout the year.

English 145A, 145B, 145C. The Romantic Period. (3). I STELTER

M W F, 11:15.

English 121A, 121B, 121C. The Victorian Period. (3). HOWE

M W F, 1:15.

English 122A. Browning. (3). ~~Second term~~, M W F, 4:15. II III STELTER

~~English 122B. Tennyson. (3). Third term, M W F, 4:15 STELTER~~

English 114E. The Modern Drama. (2). First term, Tu, Th, 10:15. STELTER

English 130A, 130B, 130C. The History of American Literature. (3). HOWE

Tu, 4:15. Two hours throughout the year.

English Adv. Composition (25) II stalter  
 114E is 42 mins was modern drama + 3rd term short



ORAL ENGLISH

Reading 9 (no credit) ~~III~~ <sup>Thomas</sup>  
 Reading 10. Methodology; (3). M W F, 9:15-11:15 ~~HUNNEWELL, KIPP~~  
 Required of candidates for the elementary teachers' certificate. Pre-requisite: Psychology 10.

(Reading) 2A, 2B, 2C. Oral Expression. ~~W~~ W F, 11:15, 1:15. (3) THOMAS  
 Three hours throughout the year; nine hours.

Reading 15A, 15B, ~~15C~~ Story telling in the grades. HUNNEWELL, ~~KIPP~~  
 Tu Th, 1:15. (2) ~~ISA I-II; 15B I~~

Reading 118A, 118B, 118C. Dramatic Interpretation. (2). ~~W~~ THOMAS  
 Tu Th, 2:15, 3:15.

Reading 107A, 107B, 107C. Oral Expression and Interpretation. (2).  
 Third term, M W F, 1:15 ~~HUNNEWELL~~

Reading 7A. Corrective Work in Voice and Speech. (2). ~~I~~ THOMAS  
 Third term, Tu Th, 1:15.

Public Speaking (3) I ~~Thomas.~~  
 Phonetics (1) II-III

LIBRARY METHODS AND PRACTICE

Library Methods and Practice 10. (2). Tu Th, 9:15-11:15. ~~I~~ FARGO, PHILLIPS

Library Methods 11. Tu, 10:15. ~~(1) I-II~~ FARGO, PHILLIPS

Library & Spelling Methods (1) I

Spelling Methods (2) I-II-III

FINE ARTS

Art 1. (2). First term, Tu Th, 9:15. HAZEN  
 For students who do not fully meet the entrance requirements.

Art 2. (2). First term, Tu Th, 1:15. SOOY  
 For students who do not fully meet the entrance requirements.

Art 10. Art Structure. (3). HAZEN, CHANDLER, Delo  
 First term, M W F, 9:15, 11:15, 1:15.

Art 20. Methods course, including observations. (3). BROOKS  
 First term, M W F, 10:15.

Art Appreciation and History C10-C14 inclusive. (1) each course. GERE  
 Art Appreciation and History<sup>10</sup>, first term, Tu, 9:15.  
 Art Appreciation and History<sup>13</sup>, first term, Th, 9:15.

Art Crafts 10-12 inclusive. (3). DELANO  
 Art Crafts 10, first term, Th, 10:15.  
 Art Crafts 12, first term, Tu Th, 11:15.

(see inserts ~~over~~  
 for courses as actually

## Announcement of the Southern Branch

- Art Methods 10-14, inclusive. (2) BROOKS  
 First term, M W, 11:15; conference F.
- Costume Appreciation 10-11. (1) SOOY
- Costume Design C10-C11. (1). SOOY
- Design C10-C14, inclusive. Art Structure. (3). First term. DELANO  
 Design C10, M W, 9:15, F, 10:15.  
 Design C12, Tu F, 9:15, F, 10:15.
- Drawing and Painting 10-18, inclusive. (3). First term. BROOKS  
 CHANDLER  
 Drawing and Painting 10, Th F, 9:15, F, 10:15.  
 Drawing and Painting 16, Th F, 9:15, F, 10:15. SOOY
- History of Costume 10. (1). First term, W, 9:15. SOOY
- House Design 10. (3). First term, F, 10:15, Th F, 11:15. GERE
- House Furnishing 10. (3). \_\_\_\_\_
- Illustration 10-12, inclusive. (3). First term. SOOY  
 Illustration 10, Tu F, 9:15, Tu, 10:15.
- Interior Decoration 10-11. \_\_\_\_\_
- Landscape Appreciation 10. (2). First term, M, 9:15, M, 10:15. SOOY
- Lettering 10 (Freehand). (3). M W F, 1:15 SOOY
- Outdoor Sketching 10. (3). M, 9:15, M Th, 10:15. CHANDLER
- Stage Craft 10-13, inclusive. \_\_\_\_\_
- Art Methods 15 (1) CHANDLER  
 Design 14 (1) SOOY

## GEOGRAPHY

- Geography 11x. Preparatory Geography. (2) I-II-III CHAMBERLAIN  
 Tu Th, 9:15, 214 M. H.
- Geography C1c. Elementary Physiography. (3). I-II-III  
 (or 10) BAUGH, MCCLELLAN, CHAMBERLAIN  
 First term, M W F, 8:15, 9:15, 11:15, 12:15, 1:15, 2:15, 3:15. Required  
 of all students taking regular teachers' course.
- Geography C1A. World Geography. (3). I-II-III MCCLELLAN, BAUGH, BECK  
 First term, M W F, 9:15, 10:15, 12:15, 217 M. H.
- Geography 116A. North America. (3). BAUGH  
 Second term, M W F, 2:15, 214 M. H. Prerequisites: C1c and C1A.
- Geography 116c. Europe. (3). MCCLELLAN  
 Second term, M W F, 4:14, 217 M. H.; third term, M W F, 12:15, 214  
 M. H. Prerequisites: Geography C1c and C1A.

Geog 1 noted. I

Geog C1c was also known as Geog. 10

Geog C1A " " " " " Geog. 11.

~~Geography 116B. South America.~~

~~Prerequisites: Geography C1c and C1A.~~

Geography 134. Economic Geography. (3). III

CHAMBERLAIN

Second term, M W F, 10:15, 214 M. H. Prerequisites: Geography C1c and C1A.

~~Geography 118. Advanced Physiography. (3).~~

~~Prerequisites: Geography C1c and C1A.~~

~~Geography 115. California. (3).~~

BECK

~~Third term, M W F, 10:15, 214 M. H. Prerequisites: Geography C1c and C1A.~~

Geography 136. Conservation of Natural Resources. (2). I CHAMBERLAIN

First term, Tu Th, 11:15, 214 M. H. Prerequisites: Geography C1c and C1A.

Geology C1A. (2). 5 hrs. Geography 134 I

CHAMBERLAIN

First term, M Tu W Th F, 10:15, 214 H. M. Primarily for junior college students. Prerequisite: elementary chemistry and physics.

Meteorology C1B. Elementary Meteorology. II - III CARPENTER

M W F, 10:15. Primarily for junior college students. Prerequisites: matriculation chemistry and physics.

Greek. (see Latin + Greek.)

**HANDICRAFTS AND ELEMENTARY INDUSTRIAL ARTS**

Industrial Arts Education.

Industrial Arts 10<sub>1</sub> - 11 (3)

Greenlaw.

Richardson

Industrial Arts for Rural Schools.

Basketry 10.

Bookbinding 10. (3)

White

Bookbinding 11.

Leather Craft 10.

Leather Craft 11.

Metal Craft 10. (3)

White

Metal Craft 11.

Pottery 10. (3)

Richardson

Pottery 11. (3)

"

Weaving 10.

Weaving 11.

Nierson

~~Handicrafts 11 (3) (See Mech. Arts Dept.)~~

**ADVANCED WORK IN ART CRAFTS**

More advanced work may be done in any of these crafts by special arrangement with the Director.

(see attached insert for courses actually given + Course Reports.)

## HISTORY

History 1A, 1B, 1C. All students in the Teachers' Curriculum, taking regular teachers' courses, are required to take 1A and 1B and 117. Those wishing the full year's work in American History may continue in Course 1C. Students working for junior standing have Courses 2 and 3 provided for them. Those who have completed work similar to the above may enter more advanced courses after consulting with the instructors in charge. A reading knowledge of some modern foreign language is an aid in the more advanced work.

*IA I-II-III - 1B I-III*  
 1A, 1B, ~~1C~~. History of the United States. (3).

GAINES, KLINGBERG, KAHLEY, LATHAM

Two terms required. M W F, 8:15; 3:15; Tu W Th, 2:15.

~~102A, 102B, 102C~~. History of England and Great Britain. (2) *Yr.* KLINGBERG  
 Tu Th, 12:15, and a third period.

~~103A, 103B, 103C~~. Social and Political History of Modern Europe. (3).

*Yr.* M W F, 10:15. *#2 Year*

KLINGBERG

## THE TEACHERS' CURRICULUM

75. Contemporary History. (1). First term, 3:15 *I-II-III* GAINES

~~101. History, Historical Writing, and Bibliography. (2). KLINGBERG~~

~~117. The Teaching of History. (2). Each term, Tu Th, 3:15. *I-II-III*~~

~~121. The Renaissance. (3). First term, M W F, 1:15. KLINGBERG~~

~~127. The History of Civilization. No Credit.~~

~~142a, 142b. The French Revolution. (3).~~

KLINGBERG

Second and third terms, M W F, 1:15.

~~171A, 171B, 171C. Economic and Social History of the United States *(2) II*~~

LATHAM

Designed for students preparing to teach in the upper grades. Not offered 1919-1920.

~~183a, 183b, 183c. The Expansion of Europe since the Fifteenth Century. *Latin America III*~~

Not offered 1919-1920.

KLINGBERG

189, 189B, 189C. Pacific Coast History. (2). Tu Th, 1:15. *Yr.* GAINES

191A, 191B, 191C. Peace Issues and Problems of Reconstruction. (2). *Yr*

*Yr., W, 4:15.*

KLINGBERG

192A, 192B. Europe since the Congress of Vienna. (3). Two terms.

Not offered 1919-1920.

*(22 same as 191)*

HOME ECONOMICS

- Home Economics Education 10. Discussion and Reports. (3). <sup>(3)</sup> ~~I - II~~ <sup>(2)</sup> ~~ROST~~ + Gray
- Home Economics 10. Discussion and Reports. (3). ~~I - II - III~~ <sup>ROST, GRAY</sup> ~~ROST~~
- Administration 10. Home Management. (2) ~~II - III~~ <sup>MACPHERSON</sup> ~~ROST~~
- Administration 11. Laundry. (2). 4 hrs. ~~I - III~~ <sup>MACPHERSON</sup>
- Food C10. Elementary Foods and Cookery. (3). 4 hrs. ~~I - II~~ <sup>CHILTON, MACPHERSON</sup>
- Food C11. Advanced Food and Cookery. (3). 4 hrs. ~~II - III~~ <sup>CHILTON</sup>
- Food 12. Large Quantity Cookery and Institutional Management. (3) ~~I - II~~ <sup>HALLAM, MACPHERSON</sup>  
4 hrs.
- Food 13. Special Diets. (3). 4 hrs. ~~II~~ <sup>CHILTON</sup>
- Food 14. Family Cookery. (3). 4 hrs. ~~I - III~~ <sup>Chilton</sup> ~~MACPHERSON~~
- Food 15. Experimental Cookery. (3). 4 hrs. <sup>I</sup> ~~MACPHERSON~~ <sup>CHILTON</sup>
- Food 16. Food Products. (1). ~~III~~ <sup>Chilton</sup> ~~MACPHERSON~~
- Dietetics C10. (3). 4 hrs. ~~II~~ <sup>CHILTON</sup>
- ~~Dietetics 11. (3). 4 hrs.~~ <sup>CHILTON</sup>
- Demonstration Cookery 10. (1). 2 hrs. ~~I~~ <sup>macpherson</sup> ~~EVANS, GRAY~~
- Chemistry 1. General Chemistry (3). 4 hrs. ~~I~~ <sup>HALLAM</sup>
- Chemistry 10. Food Chemistry. (3). 4 hrs. ~~II~~ <sup>HALLAM</sup>
- Chemistry 11. Food Chemistry. (3). 4 hrs. ~~III~~ <sup>HALLAM</sup>
- Chemistry 12. Household Chemistry. (3). 4 hrs. ~~II~~ <sup>HALLAM</sup>
- Bacteriology C10. (3). 4 hrs. ~~III~~ <sup>Dr. Frost</sup> ~~EVANS~~
- ~~Nursing and Health C10. (2).~~
- Clothing 10. Elementary Clothing and Handwork. (3). 4 hrs. ~~I - II~~ <sup>LATHROP, MACPHERSON</sup>
- Clothing 11. Advanced Clothing. (3). 4 hrs. ~~II - III~~ <sup>LATHROP</sup>
- Clothing 12. Elementary Dressmaking and Design. (3). ~~I~~ 4 hrs. <sup>LATHROP</sup>
- ~~Clothing 13. Advanced Dressmaking. (3). 4 hrs.~~ <sup>LATHROP</sup>
- Clothing 14. Renovation and Remodeling. (3). 4 hrs. ~~I~~ <sup>LATHROP, MACPHERSON</sup>
- Clothing 15. Special Problems in Dressmaking. (3). 4 hrs. ~~I - III~~ <sup>LATHROP</sup>
- Home Nursing (1) ~~II~~ <sup>Carson</sup>

Textiles 10. (3). 4 hrs. <b>II</b>	<del>MACPHERSON</del>
<del>Costume Design (3). 4 hrs. (see art.)</del>	_____
Millinery 10. Elementary Millinery. (3). 4 hrs. <b>I III</b>	LATHROP
<del>Millinery 11. Advanced Millinery. (3). 4 hrs. <b>II</b></del>	LATHROP
House Design. (2). (see art)	_____
House Furnishing. (3). 4 hrs. (see art)	_____
<del>Practice House. (6)</del>	_____

## SPECIAL FEES

Food .....	\$2.00	Clothing .....	\$1.00
Dietetics .....	2.00	Millinery .....	1.00
Demonstration Cookery .....	1.00	Textiles .....	1.00
Chemistry .....	1.00	Bacteriology .....	1.00
Practice House .....	2.00	Laundry .....	1.50

## KINDERGARTEN TRAINING

Kindergarten Education 10. (2). <b>I</b> First term, Tu Th, 1:15.	GREENWOOD
Kindergarten Education 11. (2). <b>II</b> Second term, Tu Th, 1:15.	GREENWOOD
Kindergarten Education 12. (2). <b>III</b> Third term, Tu Th, 1:15	"
Kindergarten Education 13. (3). <b>I</b> First term, Tu Th, 1:15, W, 2:15.	MASCOED
Kindergarten Education 14. (2). <b>II</b> Second Term, Tu Th, 1:15.	MASCOED
Kindergarten Education 15. (3). <b>III</b> Third term, M W F, 1:15.	MASCOED
Kindergarten Education 16. (2). <b>III</b> Third term, Tu Th, 2:15.	GREENWOOD
Manual Arts 10K. (3). <b>I</b> First term, M W F, 1:15.	MASCOED, KNIGHT
Manual Arts 11K. (3). <b>II</b> Second term, M W F, 1:15.	MASCOED, KNIGHT
Manual Arts 12K. (3). <b>III</b> Third term, M W F, 1:15.	MASCOED, KNIGHT
Manual Arts 13K. (2). <b>I</b> Third term, Tu Th, 3:15.	KNIGHT, MASCOED
Games 10. (1). <b>I</b> First term, W, 2:15.	GREENWOOD
Games 11. (1). <b>II</b> Second term, Tu, 1:15.	KNIGHT
Games 12. (1). <b>III</b> Third term, W, 2:15.	KNIGHT

- Games 13. (1) ~~I~~ <sup>II</sup> Second term, W, 2:15. ~~Masord~~  
GREENWOOD
- Games 14. (1) ~~I~~ <sup>II</sup> Third term, W, 2:15. ~~Masord~~  
GREENWOOD
- Stories 10. (3) ~~I~~ <sup>II</sup> Third term, M W F, 10:15. GREENWOOD
- Stories 11. ~~A~~ <sup>B</sup> ~~I~~ <sup>II</sup> Second term, Tu W Th, 2:15. GREENWOOD
- Piano 10. (2) ~~I~~ <sup>II</sup> Second term, Tu Th, 2:15. ~~Huntley~~
- ~~Piano 11. (1). Second term, W, 3:15.~~ \_\_\_\_\_
- ~~Primary Methods: Education 13F.~~ \_\_\_\_\_
- Observation K. (2): Third term, Tu Th, 9:15. ~~I-II-III~~ <sup>GREENWOOD</sup> ~~Kutjet~~
- ~~Teaching 10a, 11a, 10.~~ \_\_\_\_\_
- ~~Kindergarten Problems: (1). First term, M, 3:15.~~ MASCORD
- Plays and Games. (2). First term, Tu Th, 9:15. ~~I~~ GREENWOOD  
Particularly planned for the Smith-Hughes students; a limited number of other students will be admitted at the discretion of the instructor.
- Literature for Children. (2). Second term, Tu Th, 9:15. ~~II~~ <sup>GREENWOOD</sup> GREENWOOD  
Particularly planned for the Smith-Hughes students.

LATIN + Greek

- CB. Third-year Latin, Ciceronian Prose. (3). ~~I-II~~ MCKINLAY  
~~First term, M W F, 9:15.~~  
Prerequisite: two years entrance Latin.
- CA. Fourth-year Latin, Augustan Poetry. (3) ~~II-III~~ MCKINLAY  
Second term, M W F, 9:15.  
Prerequisite: three years of entrance Latin, or course B.
- Cl. Cicero and Comedy. (3). First term, M W F, 2:15. ~~I-III~~ MCKINLAY  
Prerequisite: Latin A or four years entrance Latin.
- C5. Horace, Odes and Epodes. (3). MCKINLAY  
Second term, M W F, 2:15. Prerequisite: Course Cl.

CA Greek (5) I  
CB Greek (5) II  
C5 Greek (5) III

M = Kinlay  
M = Kinlay  
M = Kinlay

## MATHEMATICS

### PREPARATION FOR TEACHING

Students who expect to teach mathematics in elementary or intermediate schools and those specializing in mathematics in the teachers' courses are expected to take thirty hours of work in mathematics, the work to be taken as follows:

- Required (25 hours) College algebra, 5 hrs.  
 Plane trigonometry and college algebra, 6 hrs.  
 Analytic geometry, 5 hrs.  
 Differential and integral calculus, 5 hrs.  
 The teaching of secondary mathematics, 4 hrs.
- Elective (5 hours) - The history of mathematics, 3 hrs.  
 Plane and spherical trigonometry, 5 hrs.  
 Spherical trigonometry, 2 hrs.  
 Mathematical theory of investment, 5 hrs.
1. Arithmetic. (3). Tu Th, 3:15. *II* DRISKO  
 This course is designed for those taking the regular teachers' course who do not meet the admission requirements in arithmetic. No college credit.
10. Arithmetic. (3). M W F, 8:15. *I - II - III* DRISKO  
 Required of all taking the regular teachers' courses. Prerequisites: Psychology 10 and 11.
11. Arithmetic. (2). Tu Th, 1:15. *I - II - III* COLLIER  
 Prerequisite: Mathematics 10.
12. Correlated Mathematics. (2). Tu Th, 1:15. *I* DRISKO  
 Prerequisite: Mathematics 10.
- OB. Solid and Spherical Geometry. (2). *I* COLLIER  
 First term, M W F, 10:15.
- OC. Plane and Spherical Trigonometry. (5). *I - III* COLLIER SHEEWOOD  
 First term, M-Tu W Th F, 10:15. Prerequisite: Course B.
- OD. College Algebra. (3). First term, M Tu W Th F, 9:15. *I - II* SHEEWOOD COLLIER  
 Prerequisite: entrance algebra.
- OE. Plane Trigonometry and College Algebra. (3). *I - II* COLLIER  
 First and second terms, 11:15.
- OF. Spherical Trigonometry. (2). *I* SHEEWOOD COLLIER  
 Second term, Tu Th, 10:15.  
 Prerequisites: Course B and Plane Trigonometry.



- C2. Mathematical Theory of Investment. ~~(3) II-III~~ ~~SHERWOOD, COLLIER~~  
 First or second or third terms, M Tu W Th F, 8:15. Prerequisite:  
 algebra and trigonometry.
- C5. Analytic Geometry. (5). ~~I-III~~ SHERWOOD  
 First or second term, M Tu W Th F, 8:15. Prerequisites: plane trigo-  
 nometry and college algebra.
- C9. Introduction to Differential and Integral Calculus. (5). SHERWOOD II  
 Second or third term, M Tu W Th F, 9:15. Prerequisite: analytic  
 geometry.
- ~~C1. The History of Mathematics (3). Third term. COLLIER~~  
 Prerequisites: courses C and D.
- ~~100. The Teaching of Secondary Mathematics. (4).~~

C4A Calculus (5) III ~~Sherwood~~

MECHANIC ARTS

- Manual Arts Education. Third term, 2 hrs. ~~(5) I-III~~ ~~PIERSON~~  
 Manual Arts. 11. Second term, 3 hrs. ~~(2) I-III~~ ~~(2) II~~ ~~PIERSON, ANGLIER~~
- Drawing C10-C12, inclusive. ~~(2) I-I~~ ~~MANFIELD Angier~~  
 First, second, third terms, 2 hrs.
- Mechanical Drawing C10. ~~(3) I-II~~ ~~(1 1/2-5) III~~ ~~MANFIELD Angier~~  
 First, second, third terms: C10, 3 hrs.; C11, 3 hrs.; C12, 4 hrs.
- Machine Drawing C10-C12, inclusive. ~~C10 (3) I~~ ~~C11 (5) II~~ ~~MANFIELD~~  
 First, second, third terms, 5 hrs.
- Architectural Drawing C10-C12, inclusive. ~~(5) I~~ ~~MANFIELD~~  
 First, second, third terms, 5 hrs.
- Woodwork C10. First term, 5 hrs. ~~(3) I~~ ~~(2-3)~~ ~~PIERSON~~
- Woodwork C11. Second term, 5 hrs. ~~(2) I~~ ~~(1-5) II-I~~ ~~PIERSON~~
- Woodwork C12. Third term, 5 hrs. ~~(3-5) I~~ ~~(1-5) II~~ ~~PIERSON~~
- Woodwork C13. First term, 5 hrs. ~~(1-5) II~~ ~~PIERSON~~
- Woodwork 14. Second term, 5 hrs. ~~(2-6) III~~ ~~MANFIELD Pierson~~
- Woodwork 15. Third term, 5 hrs. ~~(3-5) I~~ ~~PIERSON~~
- Pattern Making C10. First term, 5 hrs. ~~(5) I~~ ~~Pierson~~
- Pattern Making C11-C12, inclusive. ~~C11 (5) II~~ ~~C12 (2-5) III~~ ~~Pierson~~  
 First, second, third terms, 5 hrs.
- ~~Foundry Practice C10-C15, inclusive. First, second terms, 5 hrs.~~
- Forge Practice C10-C15, inclusive. First, second, third terms, ~~4 hrs.~~ ~~C10 (5) I~~ ~~C11 (5) II~~
- Gas Engine Lab. (5) I ~~March~~

## Announcement of the Southern Branch

Machine Shop Practice C10. First term, 5 hrs. (5) I-II	PHILLIPS
Machine Shop Practice C11. Second term, 5 hrs. (5) I-II	"
Machine Shop Practice 12. Third term, 5 hrs. (2-6) II-III	PHILLIPS
Machine Shop Practice 13-15, inclusive. (5) I-II-III	PHILLIPS
First, second, third terms, 5 hrs.	
Auto Mechanics C10. First term, 5 hrs. (5) I	MARSH
Auto Mechanics C11. Second term, 5 hrs. (5) I	<del>MARSH</del> Broadway
Auto Mechanics C12. Third term, 5 hrs. (2 1/2-5) II	<del>MARSH</del> Broadway
Applied Electricity C10. First term, 5 hrs. (5) I	MARSH
Applied Electricity 11. Second term, 5 hrs. (5) I	MARSH
<del>Applied Electricity 12. Third term, 5 hrs. (3) III</del>	<del>MARSH</del>
<del>Automotive Laboratory 10. First term, 5 hrs.</del>	<del>MARSH</del>
Automotive Laboratory 11. Second term, 5 hrs. I	MARSH
Automotive Laboratory 12. Second term, 5 hrs. III	MARSH
<del>Current Mechanics 10-12, inclusive.</del>	<del>MANSFIELD, PHILLIPS</del>
First, second, third terms, 1 hr.	
<del>Printing 10-12, inclusive.</del>	<del>MANSFIELD, PHILLIPS</del>
First, second, third terms, 5 hrs.	
Storage Battery (5) II	
Elementary Electricity (3) III	Marsh

## MUSIC

Music Elementary Courses are numbered 10-23.

Secondary Music Courses are numbered 13-20.

Music Elective Courses are numbered 20-30.

Melodic Dictation 10. (3) I	WEIGHT
First term, M Tu W Th F, 10:15, 103 F. A.	
Melodic Dictation 11. (3) II	WEIGHT
Second term, M Tu W Th F, 10:15, 103 F. A.	
Melodic Dictation. (3) III	WEIGHT
Third term, M Tu W Th F, 10:15, 103 F. A.	
Harmony C1 (3). First term, M W F, 8:15, 109 F. A. I	BLEWETT
Harmony C11. (3). Second term, M W F, 8:15, 109 F. A. I-II	BLEWETT
Harmony C12. (3). Third term, M W F, 8:15, 109 F. A. II-III	BLEWETT
<del>Harmony C12a. Composition. (3).</del>	<del>BLEWETT</del>
Second term, M W F, 11:15, 109 F. A.	
Music Review (2) II	Barubart

- ~~Harmony C13 (3) Second term, M W F, 1:15, 109 F. A. BLEWETT~~
- ~~Harmony C14 (3) Third term, M W F, 1:15, 109 F. A. BLEWETT~~
- ~~Harmony C20 (3) First term, M W F, 1:15, 109 F. A. BLEWETT~~
- Chorus Conducting 10. (1). ~~Second~~ <sup>Third</sup> term, Tu, 1:15, 109 F. A. BLEWETT
- Chorus Conducting 11. (1). ~~First~~ <sup>Third</sup> term, Tu, 1:15, 109 F. A. BLEWETT
- Chorus Conducting 12. (1). ~~First~~ <sup>Third</sup> term, Tu, 1:15, 109 F. A. BLEWETT
- Chorus Conducting ~~20~~ <sup>13</sup> (1). ~~Third~~ <sup>First</sup> term, M, 3:15, 102 F. A. ~~WRIGHT~~ <sup>Blewett</sup>
- Voice C10. (2). First term, Tu Th, 1:15, 101 F. A. (2) ~~I - II~~ <sup>I - III</sup>  
 Special fee of \$10 each term, for three terms.
- ~~Voice C12 (2) Second term, Tu Th, 1:15, 101 F. A. VAUGHN~~
- ~~Voice C12 (2) Third term, Tu Th, 1:15, 101 F. A. VAUGHN~~
- Voice C20. (2). Every term, Tu Th, hours by ~~appointment~~ <sup>(first)</sup>. ~~I - II~~ <sup>I - III</sup>
- Music Literature C10. History and Music Appreciation. (3) ~~BARNHART~~  
 First term, M W F, 10:15, 105 F. A.
- Music Literature C11. History and Music Appreciation. (3) ~~BARNHART~~  
 Second term, M W F, 10:15, 105 F. A.
- Music Literature C12. History and Music Appreciation. (3) ~~BARNHART~~  
 Third term, M W F, 10:15, 105 F. A.
- Music Literature C13. Form and Analysis. (3) ~~I~~ <sup>I</sup> BARNHART  
 First term, M W F, 1:15, 105 F. A.
- ~~Music Literature C14. Form and Analysis. (3) BARNHART~~  
 Second term, M W F, 1:15, 105 F. A.
- ~~Music Literature C20. Form and Analysis. (3) BARNHART~~  
 Third term, M W F, 1:15, 105 F. A.
- ~~Music Literature C21. Modern Music. (3) BARNHART~~  
 Third term, M W F, 12:15, 105 F. A.
- Music Education 10. (3). First term, M W F, 9:15, 103 F. A. ~~WRIGHT~~ <sup>I - III</sup>
- Music Education 11. (3). Second term, W M F, 9:15, 103 F. A. ~~WRIGHT~~ <sup>I - III</sup>
- ~~Music Education 12. (3). Third term, M W F, 9:15, 103 F. A. WRIGHT~~
- Music Education 20. (1). Third term, W, 3:15, 103 F. A. WRIGHT
- ~~Music Education 22. FISHER~~  
 Every term. Days and hours to be arranged.
- ~~Music Observation 10. (5) WRIGHT~~  
 First term, M Tu W Th F, 9:15, 3:15.

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*all teaching arranged*

<del>Music Observation 10. (5). Second term, days to be arranged.</del>	WRIGHT
<del>Teaching 10. (5). Every term, M Tu W Th F, 9:15.</del>	WRIGHT
<del>Teaching 11. (5). Every term, M Tu W Th F, 9:15.</del>	WRIGHT
<del>Teaching 12. (5). Every term, M Tu W Th F, 9:15.</del>	WRIGHT
<del>Teach 19a. (2). Every term, Tu Th, 3:15.</del>	WRIGHT
<del>Teaching 13. (5). First term, hours to be arranged.</del>	WRIGHT
<del>Teaching 14. (5). Second term, hours to be arranged.</del>	WRIGHT
<del>Teaching 15. (5). Third term, hours to be arranged.</del>	WRIGHT
<del>Teaching 20. (5). Every term, hours to be arranged.</del>	WRIGHT
<del>Piano 13. (5). First term, hours to be arranged, 105 F. A.</del>	BARNHART
<del>Piano 14. (5). Second term, hours to be arranged, 105 F. A.</del>	BARNHART
<del>Piano C15. (5). Third term, hours to be arranged, 105 F. A.</del>	BARNHART
Piano C20. Piano ensemble. (1) <i>I - II - III</i>	BARNHART
Every term, hours to be arranged, 105 F. A.	
Ensemble C20. <i>Orch. Inst. (1) I - II - III</i>	BARNHART
Every term, M Tu W Th F, 9:15, 3:15, 105 F. A.	
Ensemble C21. Orchestra Practice. (1). <i>I - II - III</i>	BARNHART
Every term, M, 3:15, 105 F. A. <i>U<sup>2</sup></i>	
<del>Ensemble C22. (1). Every term, M, 3:15, 102 F. A.</del>	WRIGHT
Ensemble 23. Girls' Glee Club. (1) <i>I - II - III (3<sup>rd</sup> term course repp.)</i>	BLEWETT
Every term, M, 3:15, 109 F. A.	
<del>Projects 20. Every term, hours to be arranged.</del>	WRIGHT
Music I. (2). First term, Tu Th, 10:15, 109 F. A. <i>I III</i>	BLEWETT
For students who have been unable to meet the Normal School entrance requirements of the State Board of Education.	
Music II. (2). Second term, Tu Th, 10:15, 109 F. A. <i>I - II - III</i>	BLEWETT
<del>Music C10. (5). Every term, M Tu W Th F, 9:15, 109 F. A.</del>	BLEWETT
Women's Chorus (1) <i>I - II - III</i>	<i>Wright</i>
Men's Glee Club (1) <i>III</i>	<i>Wright</i>

## PHYSICAL EDUCATION FOR MEN

G1A, G1B, G1C. Gymnastics. (1). COZENS  
2 hrs. throughout the year. Hours and sections to be arranged.

*(see insert.)*

PHYSICAL EDUCATION FOR WOMEN

PRACTICE

NOTE.—Regulation suit and shoes are required for all practice courses:

- ✓ 10 (3 lab.). Practice, 10:15, M W F. First term, 1½ hrs. (1½) I Wallace
- ✓ 11 (3 lab.). Practice, 10:15 M W F. Second term, 1½ hrs. (1½) II Palmer
- ✓ 12 (3 lab.). Practice, 10:15, M W F. Third term, 1½ hrs. (1½) III Palmer
- ~~13 (3 lab.). Practice, 9:15, M W F. Second term, 1½ hrs.~~
- ✓ 14 (3 lab.). Practice, 1920-1921. Second term, 1½ hrs. (1½) III Ridley

ATHLETIC ACTIVITIES

- ✓ 10 (3 lab.). First term, 9:15, M W F, 1½ hrs. (1½) I Palmer
- ~~11 (3 lab.). Third term, 8:15, M W F, 1½ hrs. (1) II Palmer.~~
- ✓ 12 (6 lab.). First term, 8:15, M W F, 3 hrs. (3) I Palmer

DANCING

- 10 (2 lab.). Third term, 11:15, Tu Th, 1 hr. (1½) I Wallace
- 11 (2 lab.). Second term, 1 hr. (1) II Insert

AESTHETIC DANCING

- ~~10 (2 lab.). Second term, 9:15, Tu Th, 1 hr.~~
- ~~11 (lab.). Third term, 1½ hrs.~~

COURSES OFFERED FOR SECONDARY EDUCATION

Theory and Administration of Secondary Physical Education 10. \_\_\_\_\_

First term, 2 hrs.

Theory and Administration of Secondary Physical Education 11. Wallace

Second term, 2 hrs. (2) I

Practice Teaching P. E. 13. First term, 5 hrs. \_\_\_\_\_

Practice Teaching P. E. 14. Second term, 5 hrs. \_\_\_\_\_

Practice Teaching P. E. 15. Third term, 5 hrs. \_\_\_\_\_

Clinic 10 (6 lab.) 3 hrs. (6) III

Practical experience in remedial and developmental work in the Crippled Children's Guild. Wallace

Clinic 11 (6 lab.). 3 hrs. Wallace

PE (?) (1) I. I.

Palmer

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- ~~Athletic Activities 13 (6 lab.) First term, 3 hrs.~~ \_\_\_\_\_
  - ✓ Athletic Activities 14 (2 lab.). Second term, 1 hr. (1 1/2) III Palmer
  - ✓ Athletic Activities 15 (6 lab.). Third term, 3 hrs. (3) III Palmer
  - ~~Aesthetic Dancing 12 (2 lab.). First term, 1 hr.~~ \_\_\_\_\_
  - ~~Aesthetic Dancing 13 (2 lab.). Second term, 1 hr.~~ \_\_\_\_\_
  - ✓ Aesthetic Dancing 14 (2 lab.). Third term, 1 hr (1 1/2) III Wallace
  - ~~Walk Dancing 12 (2 lab.) Second term, 1 1/2 hrs.~~ \_\_\_\_\_
  - ~~Practice 15. (2 lab.). Second term, 1 1/2 hrs.~~ \_\_\_\_\_
  - ✓ Swimming (2 lab.). Third term, 1 hr. (1 1/2) I = (1) III Palmer
  - ✓ Tennis (1 1/2) I - (1) II - (1) III sutton
- COURSES REQUIRED OF STUDENTS OF THE GENERAL PROFESSIONAL SCHOOL
- ✓ 1. Physical Education. First term, 9:15, 10:15, Tu Th. (1) III Richard  
 Required of all students who do not pass the entrance physical examinations but are admitted as "Approval Pending." Time and work prescribed.
  - 10. Physical Education. (2) I - II - III Richard Palmer Wall  
 First term, 9:15, 11:15, 1:15, M W F, 2 hrs.
  - 11. Physical Education. (2) I - II - III Richard Palmer  
 First term, 10:15, M W F; 2:15, Tu W Th, 2 hrs.
  - 12. Physical Education. (2) I - II - III Richard  
 First term, 8:15, 12:15, M W F, 2 hrs., 1 recitation, 2 laboratory.

COURSES IN OTHER DEPARTMENTS

- ✓ see Biology Biology 13 (Anatomy 10). First term, 11:15, M W F. \_\_\_\_\_
- Biology 13 (Anatomy 11). \_\_\_\_\_  
 Second term, 9:15, M; 8:15, 9:15, Tu Th (Lab.). \_\_\_\_\_
- Biology 15 (Anatomy 12). \_\_\_\_\_  
 Third term, 9:15, M; 8:15, 9:25 lab., 2 hrs. \_\_\_\_\_
- Biology 10 (Physiology 10). Second term, 3 hrs. \_\_\_\_\_  
 Prescribed for students of Physical Education.
- Physiology 11. First term, 2 recitations; 2 laboratory. \_\_\_\_\_
- ✓ Kinesiology. Prerequisite, Anatomy 10, 11. (3) III Richard  
 Third term, 9:15, M W F.
- Histology:
- ✓ Bacteriology. Third term, 8:15, M W F. (3) III Close
- ✓ Symptomatology. Second term, 9:15, M W F. \_\_\_\_\_

~~Personal Hygiene. Second term, 10:15, M W F.~~

~~Emergencies. Second term, Tu Th (laboratory).~~

Child Development 10. (3) I

First term, 1 recitation, 2 laboratory, 10:15, M W F. *Richardson*

~~Child Development 11.~~

Second term, 1 recitation, 2 laboratory, 11:15, M W F.

~~The Physical Examination. First term, 4 laboratory.~~

✓ Theory of Physical Education 10. Second term, 8:15, M W. Mrs. WALLACE *(3) III*

✓ Theory of Physical Education 11. Third term, 8:15, M W F. *(3) III* WALLACE *Wallace*

✓ Theory of Physical Education 12. (3) I Mrs. WALLACE

Third term, 8:15, M W F.

✓ Nature and Function of Play. Second term, 2 hrs. *(2) H* *Palmer*

✓ Practice in Leadership. First term (2 lab.), 1 hr. *(1) I* Mrs. WALLACE

~~Practice Teaching P. E. 1. 2 hrs.~~

~~Practice Teaching P. E. 2. 5 hrs.~~

~~Practice Teaching P. E. 3. 5 hrs.~~

PHYSICS

Physics C1A, C1B. <sup>C1C</sup> General Physics. (3). 5 hrs., year, lectures. *Year* ADAMS  
Tu Th, 9:15. Laboratory hours to be arranged.

Physics C2A, C2B. <sup>C2C</sup> General Physics. (3). Yr. ADAMS  
Lectures, Tu Th, 8:15. Laboratory hours to be arranged.

Physics C3B <sup>(1/2)</sup> II

" C3C <sup>(1/2)</sup> III

ROMANIC LANGUAGES

FRENCH

CA, CB. <sup>C2B</sup> Elementary French. (5). Yr., M Tu W Th F, 9:15 Yr BECKMAN

CC, CD. <sup>C2D</sup> Intermediate French, with methods. (3). Yr BECKMAN  
Yr., M W F, 11:15.

*C103 A-B-C-3 - 3-3 year*

SPANISH

CA, CB. <sup>C2B</sup> Elementary Spanish. (5). Yr., M Tu W Th F, 12:15 Yr HENRY

CC, CD. <sup>C2D</sup> Intermediate Spanish, with methods. (3). Yr. HENRY  
M W F, 2:15.

*23 Spanish Methods - (3) First Term - Henry*

*C106A-B-C. Adv. Spanish (3) yr - Beckman.*

**CIRCULARS OF INFORMATION—(Continued)**

The Annual Register. Sent by mail by the *University of California Press, Berkeley*, for \$1.00.

For the Annual Report of the President, apply to the *University of California Press, Berkeley*.

For the following, apply to the proper Dean or Registrar:

The Circular of the California School of Fine Arts, in San Francisco.

The Annual Announcements of the Hastings College of the Law, the Medical School, the College of Dentistry, and the California College of Pharmacy, in San Francisco; the Los Angeles Medical Department, in Los Angeles.

For the following, apply to the *Dean of the College of Agriculture, Berkeley, California*:

The Prospectus of the College of Agriculture. General information concerning the College of Agriculture at Berkeley, Davis, Riverside and elsewhere; its organization, requirements for admission, degrees, etc.

The Announcement of Courses in Forestry.

The Annual Announcement of Farmers' Short Courses.

The Annual Report of the College of Agriculture and the Agricultural Experiment Station.

The Bulletins and Circulars of the Agricultural Experiment Station.

A circular containing detailed information concerning the scientific publications of the University, with prices, will be sent on application to the *Manager of the University of California Press*. The separate numbers of the several series appear at irregular intervals, making, however, uniform volumes.



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