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THE BOARD OF EDUCATION

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John G. Gabbert (1949)
(Appointed December 16, 1946)
Mrs. E. M. Bonnett, Jr. (1951)
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George C. Pooley, Jr. (1949)
(Appointed November 11, 1945)
Russell S. Waite (1949)
(Resigned December 16, 1946)

3525 Pine Street
3471 Rubidoux Drive
7515 Victoria Avenue
6499 Hawarden Drive
3979 Chapman Place
4408 Beatty Drive

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School Administration Building

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Dean of Women: Frances M. Fraser
Dean of Men: Jesse P. Mortensen
Director of Adult Education: John C. Ohmen
Librarian: Vivian W. Spencer
Office Secretary: Mary Anderson

Bursar: Harry Dangerfield
Riverside Community College
Library
1900 Main Street
Assembly Break . . .

Night Scene . . .
Between Classes . . .

Pictures Courtesy of 1947 Riverside College Yearbook
# College Calendar

<table>
<thead>
<tr>
<th>Month</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
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COLLEGE CALENDAR

1947-1948

1947

AUTUMN QUARTER

Sept. 15, Monday, 8:00—Instruction begins

Sept. 19, Friday, 8:00-4:00—Registration and matriculation will be completed.

Friday, October 3, last day for removing withheld grades of the Spring Quarter of 1947.

Nov. 11, Tuesday—Armistice Day: a holiday

Nov. 27, 28, Thursday, Friday—Thanksgiving recess

Dec. 15, 16, 17, 18, 19—Autumn Quarter Examinations

Recess from December 20 to January 4, inclusive.

1948

WINTER QUARTER

Jan. 5, Monday, 8:00—Instruction begins

Friday, January 23, last day for removing withheld grades of Autumn Quarter.

March 15, 16, 17, 18, 19—Winter Quarter Examinations

Recess from March 20 to March 28, inclusive.

SPRING QUARTER

March 29, Monday, 8:00—Instruction begins

Friday, April 16, last day for removing withheld grades of Winter Quarter.

June 1, 2, 3, 4, 7, 8, 9—Spring Quarter Examinations

June 9, Wednesday, 8:00 p.m.—Commencement
ADMISSION TO THE COLLEGE

IN FIRST-YEAR STANDING

Admission to the College in first-year standing may be granted to the applicant who is a certified graduate of a high school.

Admission requirements include: (1) written application on the form provided by the College; (2) complete official transcript of the applicant's high school record, including honorable dismissal from the school last attended.

The application for admission may be submitted either in person or by mail. The transcript of record is sent to the Registrar, on request of the applicant, by the principal of the high school from which transfer is made. If so desired, both application and transcript may be sent by the principal. To afford ample time for evaluation of credits and to insure against delay at time of registration, all credentials should be filed as soon as possible after graduation. Admission may be granted provisionally to the student whose application without credentials, is received on or after the appointed registration days in the Autumn, Winter, or Spring Quarter, but matriculation will be officially recognized as completed only when all credentials have been received and accepted.

IN ADVANCED STANDING

Admission in advanced standing may be granted to the student transferring from an institution of collegiate rank. Written application on the form provided and official transcript of all high school and college work previously undertaken, including honorable dismissal from the institution last attended, are required.

SPECIAL STUDENTS

Admission as a special student may be granted to the applicant of college age who is not a high school graduate or who wishes to enroll for fewer than ten units.

AUDITORS

By special permission, students may attend, as auditors, certain lecture or recitation classes in which they are not actively enrolled. Admission cards may be obtained at the Registrar's Office.

Auditors do not participate in class recitations or discussions; they do not submit material of any kind for reviews; they do not have laboratory privileges, nor do they receive any academic credit for the courses which they attend.

MATRICULATION

PRE-REGISTRATION TEST

The Thurstone Aptitude Test is given all students who apply for admission to the College in first-year standing. The purpose is not to determine what applicants shall be admitted, but to obtain information which will enable counselors to give the educational and vocational guidance best suited to each student's need. The test is therefore an integral part of registration procedure, and as such is required for full matriculation. The tests are given the first week of the Autumn Quarter.

REGISTRATION

On the appointed days at the beginning of each quarter, all students are expected to present themselves at the College for registration.

Registration includes filling out the information card, the selection of a program of study, and payment of the student membership fee. Each student is assigned to a counselor (preferably in the field of the student's major interest), who will aid him in the selection of his course of study and give him advice, at intervals throughout the year, when social or academic problems arise. The student may occasionally be called into conference with the counselor, but it is hoped that the student himself will take the initiative and seek counsel whenever occasion requires.

The registration card issued to the student admits him to class and serves as a certificate of membership in the Associated Student Body. It includes a year's subscription to the Tiger Times and a copy of the Tequesquite, and the privilege of admission to all student body activities at the College.

After the first week of instruction the student must obtain the written approval of each instructor in whose class he desires to enroll before proceeding with matriculation. Approval forms may be obtained at the Office.

After the second week of the Fall Quarter, and the first week of the Winter and Spring Quarters, registration is closed except to those students who transfer directly from other colleges or universities.

STUDY LIST REGULATIONS

Official recognition is given only to those courses which have been approved by the counselor and Registrar and duly entered upon the matriculation card.

All students should attempt to arrange their programs, so far as is possible, for a full year.

Physical Education or Military Science is required of all students. Exemption from Physical Education may be granted (1) to the student
who is registered for eight, or fewer, units; (2) to the student who is 25 years of age or over.

All candidates for the degree of Associate in Arts must complete one of the following options: Physical Education (3 quarter units) and Hygiene 1; or Physical Education (3 quarter units) and Hygiene 3; or Military Science (6 quarter units); or Military Science (3 quarter units) and Physical Education (1½ quarter units); or Physical Education (3 quarter units) and Physiology 1.

No one may enroll for less than 10 units or more than 17 units (including physical education or military training) without permission from the Registrar. Students are cautioned against enrolling for more work than they can reasonably carry. For those who are in good health and able to devote the major part of their time to college study, the normal load is 16 units.

The student who has made an average grade of B for all work undertaken in any one quarter may enroll for 18 units in the following quarter. The student who has made an A grade in all work undertaken in any one quarter may enroll for 19 units in the following quarter.

In the College of Letters and Science at the University of California no undergraduate student in his first semester of residence may take more than 16 units of work in addition to physical education or military training. Again: “seventy units is the maximum amount of credit which a student may count toward the bachelor’s degree in the University for work completed in a junior college, regardless of the College of the University he wishes to enter.” If therefore the study-list total of any junior college student transferring to the University exceeds the University study-list maximums for any semester or the maximum amount of credit allowed for work completed in a junior college, such excess units will be deducted by the University. Riverside College, however, will recognize for graduation in its own curricula all units which have been officially approved by Registrar’s Office.

When a student is in doubt concerning his eligibility to enroll in any course, he should seek the written approval of the instructor concerned before making out his study-list.

The student who has received a mark of failure or who has attained less than a C average for all courses undertaken in any quarter is restricted to 16 units (not including physical education or military training) the following quarter.

COURSES OPEN TO TRANSFER STUDENTS

Students transferring directly from other collegiate institutions during the year may enroll in such courses in the College as they are qualified to undertake.

STUDY-LIST CHANGES

Study-lists may be changed at any time within the first week of any quarter; that is, a course or courses may be dropped, or others added, provided that all changes are submitted to and approved by the Registrar within the week specified.

During the second week of the Fall Quarter, and the first week of the Winter and Spring Quarters a course or courses may be dropped as provided above, but no course may be added without the written approval of the instructor whose class the student desires to enter. Approval forms may be obtained at the Office.

At the end of the second week of the Fall Quarter and the first week of the Winter and Spring Quarters, study-lists are to be regarded as fixed. No course may be added thereafter. A course may be dropped by petition. Petition forms may be obtained at the Office.

During the last four weeks of any quarter, no course may be officially removed from the student’s study-list. A course discontinued for any cause within the last four weeks remains upon the matriculation card, the student receiving at the end of the quarter whatever grade the work and circumstances warrant.
GRADUATION

DEGREE OF ASSOCIATE IN ARTS

The degree of Associate in Arts will be conferred upon the student duly accredited as a high school graduate who completes satisfactorily a junior college curriculum of 90 quarter units, including the following specific requirements:

I. English 1.

II. Physical Education and Hygiene. The requirement is fulfilled by completing (1) or (2) or (3).

(1) Physical Education (6 quarters) and one of the following: Bacteriology 1, Hygiene 1, Hygiene 3, Physiology 1.

(2) Physical Education (3 quarters) and Military Science (3 quarters).

(3) Military Science (6 quarters).

III. American History and Institutions: a study of American history and the United States constitutional system and ideals. The requirement is fulfilled by completing one of the following:

(1) History 3

(2) History 6

(3) Examination, without unit credit

IV. A major of at least 30 quarter units in one of the four groups of subjects:

Group 1. Natural science, or mathematics, or mechanical drawing, or any combination of these.

Group 2. English, or foreign language, or fine arts, or any combination of these.

Group 3. Social science, or philosophy, or psychology, or commerce, or secretarial science, or home economics, or any combination of these.

Group 4. Vocational Courses.

A unit represents one hour of passing work for a quarter term of twelve weeks: it may stand for one hour of classroom work and two hours of preparation, for three hours of laboratory work, or for such distribution as the particular course may demand.

No student will be required to undertake a curriculum leading to the degree of Associate in Arts, but only the student who completes such a curriculum will become a candidate for graduation.

The degree of Associate in Arts does not necessarily qualify the student for admission to the upper division of the University, (1) because the curriculum requirements established for graduation from a junior college are not identical with the lower division requirements of the University; (2) because the general scholarship average required for graduation from a junior college may be any passing grade, whereas a general scholarship average of C or better is required by the University in all work of college level undertaken.

The following curriculum is suggested as a well-balanced program for the average first year student whether he expects to terminate his education in the Junior College or to transfer to a senior college or university.

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>English 1</td>
<td>3</td>
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<tr>
<td>Foreign language</td>
<td>3 or 4</td>
</tr>
<tr>
<td>Natural science</td>
<td>3, 4, or 5</td>
</tr>
<tr>
<td>Social science</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education or Military Science</td>
<td>1/2</td>
</tr>
<tr>
<td>Electives</td>
<td>0, or 1</td>
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</tbody>
</table>

Total (maximum) 16 1/2 units

OFFICIAL TRANSCRIPT

In the interest of the student who desires to continue his studies elsewhere the College issues an official transcript. This is a duly certified record of all work completed or undertaken by the student at the College and carries with it honorable dismissal. It is forwarded direct to the institution designated by the student, but only if there is a reasonable presumption that he will be admitted. One official transcript is furnished free upon request.

COPY OF RECORD

One copy of record is furnished free to the student requesting it. The copy of record carries honorable dismissal but no academic recommendation.
COURSES OF INSTRUCTION

GENERAL INFORMATION

All of the courses offered by the College, except a few which are noted as they appear in this section of the Catalogue, are accepted by the University, either toward fulfillment of the lower division requirements or in preparation for a chosen major, or as electives.

Courses marked with an asterisk (*) are not open to first-year students; those marked with a dagger (†) require the approval of the instructor.

A unit of work represents one hour of passing work for a quarter term of twelve weeks: it may stand for one hour of classroom work and two hours of preparation, for three hours of laboratory work, or for such distribution as the particular course may demand.

AERONAUTICS
(See page 45)

AESTHETICS

1. Nature Appreciation  Mr. Bliss
   
   Prerequisite: Two years of high school English with grade of B or better.

   A course designed to heighten the enjoyment and appreciation of natural beauty. Study of landscape, clouds, storms, the sea, the stars; reading of nature writers; exercises in analysis, description, and photography of interesting places in the vicinity of Riverside. Discussions of methods of living in the open, vacation trips, and mountaineering. Two hours weekly.

   Two units, each quarter.

   Art (See Art 1abc)

   Music (See Music 3)

ANATOMY

Physiology 3 (See page 41)

ARCHITECTURE

1. Residential Design  Mr. Shepard
   
   Original designs presented in working or presentation drawings. Plans, elevations, structural details, and perspectives in pencil, ink, or color. Art or drafting courses recommended but not required.

   Two units, each quarter.

2. Furniture Design  Mr. Shepard
   
   Original designs of furniture, interior accessories, and simple wall arrangements using working and presentation drawings to illustrate contemporary and historic styles. Art or drafting courses recommended but not required.

   Two units, each quarter.

4. History of Architecture  Mr. Shepard
   
   Illustrated lectures on the history of architecture and furniture.
   a. Pre-historic through Gothic.
   b. Renaissance to modern times, non-historic and United States.

   Should be taken with Architecture 1 or 2.

   Two units, each quarter.

11. Commercial Structures  Mr. Shepard
   
   Original designs using same processes as Architecture 1 and includes models.

   Two units, each quarter.

12. Interior Design  Mr. Shepard
   
   Original designs in contemporary and period styles, illustrated by working and presentation drawings. Floor plans, wall elevations, details and perspectives presented in line and color.

   Two units, each quarter.
COURSES OF INSTRUCTION

ART

Preparation for the Major: Art 1abc, 4abc, 5abc, 21abc.

1. History and Appreciation of Art  (1A-1B U.C.)  Mr. Cooper
An introductory survey of the history of architecture, painting, sculpture and the minor arts.
   a. Prehistoric and ancient periods.
   b. The middle ages.
   c. The renaissance and modern periods.
      Three units, each quarter.

4. Form  (2A-2B U.C.)  Mr. Cooper
Required of all art and architecture majors, and recommended for all art students.
A beginning college course in applied art. Problems involve line, space, volume, value, texture, movement, rhythm, color, perspective, representation and expression.
   Two units, each quarter.

5. Drawing and Painting  (3A-3B U.C.)  Mr. Cooper
Prerequisite: Art 4abc.
Problems of perspective, dark and light, color and drawing from natural forms. Easel paintings and mural designs are developed. Projects in drawing and painting related to commerce and industry are emphasized.
   Two units, each quarter.

7. Figure Drawing and Anatomy
Intensive drawing from the model. Study of anatomy as related to art.
   Offered in Adult Division.
   One unit, each quarter.

10. Landscape
A popular course which aims to develop the student's skill in landscape painting through intensive work, mostly out-of-doors.
   Two units, each quarter.

20. Water Color Painting  (14A-14B U.C.)  Mr. Cooper
Prerequisite: Art 4abc, or may be taken concurrently with permission of instructor.

COURSES OF INSTRUCTION

ASTRONOMY

1. General Astronomy  Mr. Rohrer
A survey of solar and stellar astronomy. The course is non-mathematical and consists of two lectures weekly, supplemented by occasional laboratory periods and field trips.
   Two units, each quarter.

BACTERIOLOGY

Preparation for the Major. Required: Bacteriology 1; Botany 1; Chemistry 1; Physics 2; Zoology 1; French or German. Recommended: Chemistry 10, 11, 13, 14; Physiology 1; Economics 1; Hygiene 3.

1. General Bacteriology  (1 U.C.)  Miss DuBeau
The fundamental concepts of bacterial life, including the history of bacteriology, microorganisms in their relation to disease, immunology, and the biochemical activities of bacteria.
   The laboratory exercises deal with bacteriological technique, media making, isolation and identification of microorganisms, as well as with standard methods employed in water and milk analyses. Two lectures and two laboratory periods weekly.
   Four units, each quarter.

10. Advanced Bacteriology  Miss DuBeau
Prerequisite: Bacteriology 1, autumn and winter quarters.

Three units, spring quarter.

**Biology**

1. General Biology

   A study of life as revealed in plants and animals, including the basic principles of morphology, physiology, and classification; also a brief presentation of human physiology and metabolism. Two lectures and one laboratory period weekly.

   Three units, each quarter.

2. Natural History of Southern California

   A brief history of the native animals and plants, together with a consideration of the geological and physiographical background. Of special value to students preparing for teaching or biological field work. Lectures, readings, special reports, and field work.

   Two units, each quarter.

**Botany**

1. General Botany

   The morphology and physiology of the seed plants; the habitat, structure, and reproduction of algae, fungi, liverworts, mosses and ferns; and the taxonomic, genetic, and ecological relationships of the seed plants. Three lectures and two laboratory periods weekly.

   Five units, each quarter.

2. Elements of Forestry

   A lecture course in the general principles of forestry, considering the developmental history of the forest, and its recreational and economic relationships.

   Two units, each quarter.

10. Elements of Plant Physiology (7 U.C.L.A.)

   Prerequisite: Botany 1 and Chemistry 1-2.

   Plant activities, including absorption and translocation of materials, carbon assimilation, growth, and reproduction. One lecture and one laboratory periods weekly.

   Two units, each quarter.

**Chemistry**

1. General Chemistry (1A-1B U.C.)

   Prerequisite: High School chemistry with not less than C grade. High school physics and trigonometry are recommended.

   For those who have had high school chemistry and who wish to continue in chemistry or to undertake subjects dependent on chemistry. The theoretical and industrial sides of the subject are especially stressed. The spring quarter includes qualitative analysis. Three lecture periods and two laboratory periods throughout the year.

   Five units, each quarter.

3. General Chemistry (2A-2B U.C.)

   General inorganic chemistry and its application to everyday life. Primarily for those students who do not expect to continue the subject. Fulfills the requirement for major in Nursing, Physical Education, and Home Economics; and may be used as a science requirement. Three lectures and one laboratory period.

   Four units, each quarter.

10. Quantitative Analysis

   Prerequisite: Chemistry 1 and 2.

   Mr. Bailey
The principles and methods of quantitative analysis and their application to simple methods of commercial analysis. Two lectures, autumn and winter quarters.

Two units, autumn and winter quarters.

11. **Quantitative Analysis: Laboratory**

Mr. Bailey

To be taken in conjunction with, or to follow, Chemistry 10. Three laboratory periods weekly, autumn and winter quarters.

Three units, autumn and winter quarters.

12. **Advanced Quantitative Analysis**

Prerequisite: Chemistry 10 and 11.

Mr. Bailey

Special methods of quantitative analysis designed to give the student an opportunity to take up advanced work. One lecture and two laboratory periods weekly, spring quarter.

Three units, spring quarter.

13. **Organic Chemistry**

Prerequisite: Chemistry 1 and 2.

Mr. Bailey

The compounds of carbon. Two lecture periods weekly, each quarter.

Two units, each quarter.

14. **Organic Chemistry: Laboratory**

Mr. Bailey

To be taken either in conjunction with, or to follow, Chemistry 13. The preparation, properties, and reactions of typical organic compounds. One or two laboratory periods weekly, each quarter.

One or two units, each quarter.

**COMMERCE**

**Applied Bookkeeping**

Mr. Sutphen

Elementary principles of double entry bookkeeping for secretaries, small business concerns, and personal finance. Requires no previous knowledge of bookkeeping. The course is completed in one quarter.

Three units, winter or spring quarter.

**Principles of Accounting (5a-6b U.C.)**

Mr. Dwyer

Concurrent requirement: Accounting Problems.

Three units, each quarter.

**Accounting Problems**

Mr. Sutphen

Required for all students who register for Principles of Accounting. A laboratory course in which is assigned supplementary accounting problems.

One unit, each quarter.

**Marketing (123 U.C.)**

Mr. Sutphen

Distribution, marketing function, wastes and inefficiencies; types of distributors; cooperative marketing groups in California.

Five units, spring quarter.

**Business Administration**

Mr. Sutphen

An analysis of the various forms of business organization with special attention to the corporation. Studies of management, wages, purchasing, selling, traffic, credit, banking, and accounting.

Five units, fall quarter.

**Business Law (18-118 U.C.)**

Mr. Dwyer

The principles of law which are essential to business men; contracts, agency, partnerships, corporations, negotiable instruments, bailments, suretyship, and bankruptcy. Special emphasis is placed on real estate law, including mortgages, trust deeds, and leases.

Three units, each quarter.

**Retail Merchandising (124a U.C.)**

Mr. Sutphen

Details of organization, profits and expenses; stock control; policies in retail advertising, merchandising, and selling.

Three units, winter quarter.

**Advertising (125 U.C.)**

Mr. Sutphen

Fundamental principles of advertising; problems of space, type, engraving, copy, media; practice writing copy.

Three units, fall quarter.

**Business Mathematics (2 U.C.)**

Mr. Dwyer

A review of the fundamentals of arithmetic necessary for competent participation in business.

Five units, any quarter.

**Beginning Shorthand (Gregg System)**

Mr. Hislop

A basic course. A speed of 80 words a minute in five-minute dictation is developed.

Five units, each quarter.
Advanced Shorthand (Gregg System)  
Mr. Hislop  
Prerequisite: Beginning Shorthand or equivalent.  
A review of fundamental theory with advanced vocabulary development.  
A skill of 120 to 140 words a minute is developed.  
Five units, each quarter.

Beginning Typing  
Mr. Dwyer  
Three units, each quarter.

Advanced Typing  
Mr. Hislop  
Prerequisite: Beginning Typing, or equivalent.  
Business letters, statistical typing, manuscripts, legal typing.  
Three units, each quarter.

Office Practice  
Mr. Sutphen  
Prerequisite: One year of shorthand.  
The study of secretarial practice, office methods and procedure, including filing.  
Three units, spring quarter.

Office Machines  
Mr. Sutphen  
A laboratory course to acquaint secretarial students with appliances used in a modern office.  
Three units, winter quarter.

P.B.X. (Switchboard Operation)  
Mr. Hislop  
A study of a cord pbx board and the necessary training to develop dexterity in operation.  
Two units, each quarter.

Business Correspondence (150 U.C.L.A.)  
Mr. Hislop  
A review of the mechanics of English as used in the writing of business letters, including study of the spelling of difficult words. A study of various types of business letters, such as sales letters, application letters, collection letters; and the correct methods of writing these letters.  
Three units, fall quarter.

COSMETOLOGY  
(See page 49)

ECONOMICS

Preparation for the Major. Required: Economics 1, 40; and at U. C. L. A., Accounting. Recommended: History 4 or Political Science.

1. Principles of Economics (1A-1B U.C.)  
Mr. Mackenzie  
The principles of economics, including such fundamental theories as those of value, price, wages, interest, rent, and profits; with a consideration of the problems of society which arise from existing methods of production and distribution of wealth, such as railways, public ownership, combinations and trusts, socialism, and taxation.  
Three units, each quarter.

2. Economic Principles and Problems  
Mr. Mackenzie  
A more elementary course than Economics 1 with greater relative emphasis upon economic institutions and current economic problems.  
Two units, each quarter.

ENGINEERING

Preparation for the Major: Instruction in engineering is based upon high school chemistry and physics, and three years of high school mathematics, including trigonometry. Only those who have attained an average grade of A or B in all these subjects are qualified as engineering students of college rank. Those not meeting the above requirements may take college courses of less difficulty to make up the deficiencies before beginning regular engineering courses.

A. Engineering. Mechanical Drawing  
Mr. Shepard  
Fundamentals of mechanical drawing. Open to students who have had less than one year of mechanical drawing in high school.  
Two units, autumn or winter or spring quarter.

1. Plane Surveying (Engineering I U.C.)  
Mr. Twogood  
Prerequisite: Plane trigonometry with grade of A or B and one year high school mechanical drawing.  
Principles: field practice, calculations and mapping. Two one-hour classes and one three-hour field or mapping period weekly.  
Three units, each quarter.
COURSES OF INSTRUCTION

2. Engineering Drawing (22 U.C.) Mr. Shepard

Prerequisite: Engineering A or one year of high school drawing.

Geometric construction; pictorial drawing; theory of orthogonal projection; freehand orthographic, isometric, and oblique sketching; mechanical isometric and oblique drawing; primary auxiliary views, sectioning; A.S.A. conventional practices; threads and fasteners; use of scale; dimensioning; and simple working drawings.

Three units, autumn or winter or spring quarter.

3. Aircraft Drawing Mr. Shepard

Prerequisite: Engineering 2, 11, and 12.

Aircraft dimensioning; details and assembling; production illustration; standard parts and fasteners; dash numbers; A.N. standards; lofting. For majors in aeronautics only.

Three units, autumn or winter or spring quarter.

6. Elements of Applied Electricity Mr. Bliss

Prerequisite: Two years of high school mathematics and either physics or electric shop.

Simple circuits, direct and alternating currents, calculation of wire sizes, electrical machines, telephone and radio circuits. Credit not transferrable except as a free elective as the course does not parallel any at the University.

Three units, each quarter.

11. Descriptive Geometry (23 U.C.) Mr. Twogood

Prerequisite: Engineering 2 and Mathematics 3.

The fundamental principles and their application to the solution of space problems arising in engineering. One hour class period, and two three-hour laboratory periods weekly.

Three units, autumn quarter.

12. Advanced Engineering Drawing (24 U.C.) Mr. Shepard

Prerequisite: Engineering 2 and 11.

Detail drawings of machine parts; gears and cams, complete working drawings of fairly complex units; structural detailing (introduction); electrical and piping layouts; production illustration.

Three units, autumn or winter or spring quarter.

35. Statics and Kinematics (35 U.C.) Mr. Twogood

Prerequisite: Mathematics 4A and Physics 1.

Force and equilibrium problems, displacement, velocity and acceleration relations, and their applications to engineering; algebraic and graphical methods. Four class hours weekly.

Four units, spring quarter.

ENGLISH

Preparation for the Major. The student who wishes to make English his major subject must have completed, with an average grade of C or higher, English 1 followed by English 10.

At least one ancient and one modern foreign language should be studied in high school and continued in college. Philosophy and at least one foreign language should be elected in the lower division.

R. English Composition Mr. Bradshaw

Review of the essentials of English composition, stressing spelling, punctuation, grammar, and sentence structure. This course is not to be substituted for English 1, which is required of all students.

Three units, each quarter (for A.A. degree).

Y. Study-Type of Reading Mr. Bradshaw

Designed to help students improve their reading rate and comprehension. Recommended for students taking English R.

Two units, each quarter (for A.A. degree).

1. Composition (1A-1B U.C.) Mr. Anderson, Mr. Bradshaw, Mr. Patton, Mr. Stickney

The chief forms of composition, oral and written, with outside reading and written reports. Theme writing and individual conferences.

Three units, each quarter.

3. Practical News Reporting Mr. Patton

Prerequisite: English 1, or may be taken concurrently.

Theory of the correctly written news and feature articles combined with contacts in actual reporting fields. Members of class may expect work on the college paper, the Tiger Times.

Two units, each quarter.


Prerequisite: English 1. Required for English majors.
An historical survey of the entire course of English literature, its leading periods, movements, personalities, and masterpieces. Lectures, recitations, collateral reading, and reports on special topics.

a. Non-dramatic poetry from the beginning to 1830 (autumn quarter).
b. Victorian and twentieth century poetry, first six weeks; drama, second six weeks (winter quarter).
c. Non-fiction prose; first six weeks; the novel, second six weeks (spring quarter).

Three units, each quarter.

9. Dramatic Art (10A-10B U.C.)

Prerequisite: English 1, or may be taken concurrently.

Drama appreciation through a study of the principles of dramatic art. Readings in classical and modern drama from the point of view of production. Consideration of the problems of lighting, setting, make-up, and other phases of stage-craft. Lectures, oral and written reports, rehearsals.

Two units, each quarter.

11. Advanced Composition (106A U.C.)

Studies in descriptive and narrative writing, with special reference to the technique of the short story, autumn and winter quarters. Expository writing, with relation both to the literary essays and to the preparation of extended papers and reports, spring quarter. Literary models are studied and the constant writing of themes required. Open to a limited number of students who have completed English 1 or its equivalent.

Two units, each quarter.

12. Public Speaking (1A-1B U.C.)

Prerequisite: English 1.

The study of the general principles of voice and diction; the acquiring of correct posture, gesture, and platform manner; and the development of the particular speech skill of each student. Throughout the year attention is given to the preparation of speeches for delivery in class and in public. The course is a second-year subject, but is also open to qualified first-year students who are specializing in public speaking.

Three units, each quarter.

13. Advanced News Reporting

Prerequisite: English 1 and 3.

Open to a limited number of staff members who plan to continue affiliation with the College publications. Occasional meetings and conferences.

One unit, each quarter.


Prerequisite: English 1, or may be taken concurrently.

A study of the achievements in American letters from Colonial times to the present, outstanding literary personalities, memorable works, and reflections of American thought in literature. Lectures, discussions, collateral readings, and oral reports.

Two units, each quarter.

*19. Advanced Dramatic Art (20 U.C.)

Prerequisite: English 1.

A continuation of English 9.

Two units, each quarter.

FRENCH

Preparation for the Major. French 1, 2, 3. History 4, Philosophy 10, and Latin are strongly recommended. At U. C. L. A. Latin AB, or its equivalent, is required, and a second modern language recommended.

1. Elementary French (I-II U.C.)

Study of French grammar, including pronunciation, conversation, composition, and reading of simple literary French.

Four units, each quarter.

2. Intermediate French (III-IV U.C.)

Prerequisite: French 1 or its equivalent.

Further study of correct grammatical and idiomatic usage of French; reading of fairly difficult French literature. Students are advised to take French 3 also.

Two units, each quarter.

3. Intermediate French (III-IV U.C.)

Prerequisite: French 1 or equivalent.

Conversation and composition in French on subjects of everyday life and on contemporary French reading material. Students are advised to take French 2 also.

Two units, each quarter.
GERMAN

1. Elementary German (1-2 U.C.) Mr. Richards
Study of German grammar, including pronunciation, conversation, composition, and reading of simple literary German.
Four units, each quarter.

2. Intermediate German: Reading Mr. Richards
Prerequisite: German 1.
Further study of correct grammatical and idiomatic usage of German; reading of fairly difficult German literature. Students are advised to take German 3 also.
Two units, each quarter.

3. Intermediate German: Conversation and Composition (III-IV U.C.) Mr. Richards
Prerequisite: German 1 or equivalent.
Conversation and composition in German on subjects of everyday life and on contemporary German reading material. Students are advised to take German 2 also.
Two units, each quarter.

GREEK


1. Elementary Greek
An introduction to essential forms and syntax through Xenophon's Anabasis, varied with occasional reading in the New Testament during the third quarter.
Five units, each quarter.

GEOGRAPHY

1. Elements of Geography (1A-1B U.C.) Mr. Peck
A survey of the basic physical elements of geography, especially land forms, weather, climates, soils, and natural vegetation and their bearing upon population distribution and land use. Problems in conservation and natural resources will be discussed. A study of map projections with inquiry into the implications of the atomic era upon mapping.
Three units, each quarter.

3. Economic Geography (5A-5B U.C.) Mr. Brand
A world survey of the interrelationship of man in his economic activities and the factor of his natural environment. The products and industries of the world are stressed. An economic description of the world by regions is given.
Three units, each quarter.

GEOLOGICAL SCIENCES

Geology

Preparation for the Major. Required: Chemistry 1; Physics 2; Engineering 1; Geology 1; Mineralogy 1; trigonometry, freehand and geometrical drawing. Recommended: French, German, Mathematics 1, 3. For petrological, mineralogical, or economic undertakings, Chemistry 10-11 is desirable.

1. Introductory Geology (1, II U.C.) Mr. Peck
The nature and structure of the materials composing the earth. The processes that shape the earth's surface. Occurrences of ores and petroleum. Origin and geological history of the earth and the development of its animal and plant inhabitants.
Four units, each quarter.

2. Advanced Geology (107 and Mineralogy 4A U.C.) Mr. Peck
Prerequisite: Instructor's approval.
A regional survey of the geology of the United States with emphasis upon economic resources. Introductory study of mineralogy, comprising the elements of crystal morphology and projection. Determination of minerals by their physical and chemical properties. Two lectures and one laboratory period weekly.
a. Geology of the Western and Central states.
b. Geology of the Atlantic states, crystal morphology and projection.
c. Determination of minerals.
Three units, each quarter.
**HISTORY**


3. **History of the United States**  
Mr. Brand, Mr. Stalder  
The course meets the State requirement of American History and Institutions.  
Three units, autumn and winter quarters; or three units, winter and spring quarters.

4. **History of European Civilization** (4A-4B U.C.)  
Mr. McDermont  
The course covers a rapid survey of ancient and medieval civilizations of the European area followed by a more intensive study of the political and cultural institutions of modern European society and their extension throughout the world.  
a. Early beginnings to 1660.  
b. 1660-1870.  
c. 1870 to the present day.  
Three units, each quarter.

6. **Political and Social History of the United States** (17A-17B U.C.)  
Mr. Stalder  
A detailed study of the political, social, and economic developments of the United States, and their influence on American institutions and thought. This course fulfills the requirement of American history and institutions.  
a. The period from 1492 to 1820.  
b. The period from 1820 to 1880.  
c. The period 1880 to present day.  
Three units, each quarter.

8. **History of the Americas**  
Mr. McDermont  
The European background of American civilization, the colonial establishments, colonial rivalries of European states, the founding of the American nations, the occupation of the continents, the international relations of the western nations, and, more particularly, the history of California. Open to first-year students, with approval of instructor.  
a. The period of European colonial establishment in America.  
b. The period of independence movements and nation building.  
c. The current period of industrialization, expansion, and international problems.  
Three units, each quarter.

**HOUSEHOLD ART**

2. **Clothing Construction and Selection**  
Mrs. Wilson  
Garment construction and selection. Materials, color, and styles, with consideration of individual needs and clothing wardrobe. One lecture and two laboratories weekly.  
Three units, each quarter.

4. **Household Management**  
Mrs. Wilson  
Two units, each quarter.

**HOUSEHOLD SCIENCE**

2. **Food Study and Preparation**  
Mrs. Wilson  
Composition, selection, and preparation of food factors in cookery; analysis of recipes and standard products. Details and manipulation required to attain highest standards. Expenditure of time and money. One lecture and two laboratory periods, weekly.  
Three units, each quarter.

3. **Elements of Nutrition**  
Mrs. Wilson  
Fundamental principles of human nutrition as applied to normal and special conditions of growth and physical development.  
Two units, each quarter.

4. **Elements of Nutrition for Nurses**  
Mrs. Wilson  
Same as course 3, but with one laboratory period additional. Required in the Pre-Nursing curriculum.  
Two units, each quarter.

**HYGIENE**

1. **General Hygiene**  
Mr. Gilkeson, Mr. Hucklebridge  
An elementary study of the human body, its activity, and its environment in relation to health. Fulfills the requirement in hygiene for the degree of Associate in Arts.  
Three units, each quarter.
3. Epidemiology Miss DuBeau
A study of the principal preventable diseases, based on the history, prevalence, etiology, source, and modes of infection; and methods of control and prevention. The year course fulfills the requirement in hygiene for the degree of Associate in Arts. Section limit: 50.

a. The history and principles of preventive medicine. Infection and resistance. Diseases spread by intestinal discharges (autumn quarter).
b. Saliva borne diseases. Diseases due to dietary deficiencies. Insect borne diseases (winter quarter).
c. Disease spread from animal to man. Disease spread through skin and direct contact. Means by which transmissible diseases are controlled (spring quarter).

Two units, each quarter.

ITALIAN
Preparation for the Major. Required: Italian 1, 2. Recommended: a reading knowledge of Latin.

1. Elementary Italian Mr. Richards

Three units, each quarter.

2. Intermediate Italian Mr. Richards
Prerequisite: Italian 1 or equivalent.
Further study of grammar; composition and conversation; reading of modern prose, drama, and verse, with oral and written exercises based thereon.

Three units, each quarter.

LATIN
Preparation for the Major. Required: four years of high school Latin or Latin ABC and CD. Recommended: Greek 1; and, at U. C. L. A., modern languages.

†ABC. Elementary Latin and Caesar (I, II U.C.) Miss Bickford
An introductory study, equivalent to the first two years of high school Latin.

Three units, each quarter.

CD. Cicero and Virgil
Prerequisite: Two years of high school Latin, or Latin ABC. Selected orations of Cicero, and Aeneid of Vergil.

Four units, each quarter.

MATHEMATICS
Preparation for the Major: Two years of high school algebra, plane and solid geometry, and trigonometry; mathematics 1, 3abc, 4abc. Recommended: physics and a reading knowledge of French and German.

A. Elementary Algebra Mr. Linhart
The equivalent of high school algebra, designed for those students who did not receive credit for algebra in high school.

Five units.

B. Plane Geometry Mr. Linhart
The high school course in Plane Geometry designed for students who did not receive credit for it in high school, yet who must complete the work for lower division requirements.

Five units.

C. Trigonometry Mr. Linhart
Prerequisite: Plane geometry; one and one-half year of high school algebra, or course D.

Five units.

D. Intermediate Algebra Mr. Linhart
Prerequisite: One year of high school algebra.
Intermediate algebra through simultaneous quadratic equations.

Five units.
E. Commercial Algebra (E U.C.L.A.)  Mr. Linhart

Prerequisite: Intermediate Algebra.

Including fundamental operations, simple equations, ratio and proportion, applications to commercial problems, exponents and radicals, quadratic equations, series, functions and graphs, logarithms, and elementary statistics.

Three units.

R. Review Course in Mathematics  Mr. Linhart

A review of the essentials of applied mathematics, with constant practice in the solution of problems involving the use of formulas, and graphs.

Five units.

1. College Algebra and College Trigonometry  Mr. Linhart

Prerequisite: Three years of high school mathematics, or Mathematics C and D.

The usual topics in college and review of trigonometry.

Two units, each quarter.

3. Engineering Mathematics (3A-3B U.C.)  Mr. Bliss

Prerequisite: Four years high school mathematics with over-all average grade of B or better. Open only to students enrolling simultaneously in Physics 1.

Plane analytic geometry and calculus, including conic sections, general equations of the second degree, elements of calculus with applications to geometry and mechanics.

Three units, each quarter.

4. Solid Analytic Geometry and Calculus (4A-4B U.C.)  Mr. Bliss

Prerequisite: Mathematics 3.

Continues the development and application of calculus; includes quadratic surfaces, partial derivatives, multiple integrals, and infinite series.

Three units, each quarter.

32. Mathematics of Finance (2 U.C.)  Mr. Linhart

Prerequisite: Mathematics D or three semesters of high school algebra.

Simple and compound interest, discount, annuities, payment of debts by various methods, depreciation and capitalized cost, and related topics. Designed for students interested in commerce or business administration.

Three units.

MILITARY SCIENCE AND TACTICS — R. O. T. C.

An act of Congress, passed in June, 1916, provided for military training in certain educational institutions in the United States. This was an enlargement of the Morrill Act of 1863, which requires that a course in military training be given at all state colleges which are receiving federal aid. The government furnishes a competent corps of instructors and all uniforms and equipment necessary for students.

The primary object of Reserve Officers Training Corps is to qualify college students for commissions in the Officers Reserve Corps, a corps from which the country would be able to obtain officers in the subordinate grades in case of emergency. Enrollment in the R. O. T. C. does not obligate students to enter the Officers Reserve Corps; it simply qualifies them for a commission if they desire one. Members of the R. O. T. C. are not subject to call for strike duty or any service in the army, and are in no sense soldiers.

Graduates of junior colleges who have satisfactorily completed two years in the R. O. T. C. units may, upon entering an institution maintaining a senior R. O. T. C. unit, enroll in the advanced course in Military Science and Tactics, subject to the approval of the P. M. S. and T. of that institution. If admitted to the advanced course, they will receive from the government, in addition to their uniforms, approximately $15.00 a month for the full two years.

Military Science and Tactics: Theoretical  Palmer

Prerequisite: Two years of high school R. O. T. C.; or one year junior college basic R. O. T. C.; or attendance at one Civilian Military Training Camp. The year course satisfies the requirement in hygiene for the degree of Associate in Arts.

Organization, defense act, interior guard duty, musketry, map reading, sand table exercises, company administration and supply, mechanization, defense against chemical warfare, mechanization and airplane attack, historical examples, camp sanitation, and camp expedients. Two one-hour periods weekly.

One unit, each quarter.

MUSIC

Preparation for the Major. Required: Music 3, 4, 10. Recommended: related courses in art, English, history, philosophy; foreign languages, particularly French, German, or Italian. Specialization presupposes some ability in piano playing.
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COURSES OF INSTRUCTION

Musical Culture

3. History and Appreciation of Music Mr. Sayre
The appreciation and enjoyment of good music through intelligent listening.
The evolution of music from ancient times to the present. The development
of musical form. The lives of the great composers and analysis of their
works, illustrated by recordings. Modern radio, and its relation to the artist.
Lectures, assigned readings, term papers.
Three units, each quarter.

Structure of Music

4. Harmony I Mr. Sayre
Prerequisite: Music 1, or its equivalent.
The fundamental principles governing four-part harmonization from melody
and figured bass. The secondary triads, dominant seventh and ninth chords
and their inversions, altered triads. Common chord and pivotal modula-
tions. Harmonic and melodic dictation. Keyboard application. Original
compositions in the smaller forms.
Three units, each quarter.

10. Harmony II Mr. Sayre
Prerequisite: Music 4, or its equivalent.
Secondary seventh chords and their alterations, chromatic harmony.
Analysis, harmonic and melodic dictation, enharmonic modulations, key-
board application. Original compositions in the smaller forms.
Three units, each quarter.

Musical Performance

Chorus Mr. Sayre
Practical experience in the study and performance of both secular and
sacred choral music accompanied and a cappella. Two hours weekly.
Open to all students with singing ability.
Two units, each quarter.

A Cappella Choir Mr. Sayre
Study and performance of secular and sacred choral music, a cappella.
Three hours weekly. Admission by private audition.
Three units, each quarter.

I. Voice Mr. Sayre
Group work in voice production, diction and singing interpretation. Opportunity
provided for individual attention and performance.
Two units, each quarter.

II. Voice Mr. Sayre
A continuation of group work in voice production, diction and singing
interpretation, with emphasis on solo performance and the building of
repertoire.

Symphonic Band Mr. Oaks
Practical band experience. Performance of symphonic band material.
Approval of instructor. Two hours weekly.
Two units, each quarter.

Band and Orchestral Instruments Mr. Oaks
Methods of tone production of instruments of the band and orchestra. Two
hours weekly.
Two units, each quarter.

NURSING

The College offers two programs in nursing. The one-year course
enables the student to meet the requirements of some hospitals for entrance
into their nurses training school. The student should enroll for Anatomy
and Physiology, Bacteriology, Chemistry, Personal Hygiene and Elements
of Nutrition.

The two-year course satisfies the requirements for pre-nursing, for the
degree of Associate in Arts, and may satisfy the lower division requirements
in the College of Letters and Science.

PHILOSOPHY

Preparation for the Major. Philosophy 1, 10.

1. Logic: Deductive and Inductive (12-14 U.C.) Mr. Gladden
A systematic study of the formal elements of logic and its use in science
and practical life. The nature of argument, fallacy, definition, propositional
relations, syllogisms and dilemma. The theory of indirect evidence, canons, generalization, hypothesis, probability, and statistical method.

Three units, each quarter.

6. Introductory Philosophy (6A-6B U.C.) Mr. Gladden

In this course philosophy is presented as an attempt to think reflectively and critically upon the problems of everyday experience. Emphasis is placed upon philosophical questions which arise in discussions concerning education, the arts, religion, and the social and natural sciences. Lectures, discussions, collateral reading, and reports on special topics.

Three units, each quarter.

10. History of Philosophy (10 U.C.) Mr. Gladden

Recommended: History 4.

An historical survey of the development of philosophy, its leading periods, movements, personalities, and masterpieces. Lectures, discussions, collateral reading and reports on special topics.

a. Classical philosophy from the pre-Socratics to Plotinus.
b. Medieval, Renaissance, and modern philosophy from Scholastics to the Utilitarians.
c. Philosophy from Kant to the present with special reference to contemporary systems of idealism, naturalism and pragmatism.

Three units, each quarter.

PHYSICAL EDUCATION

Physical education is required of all men who are not taking Military Training. It is required of all women. Choice of activity is allowed.

A student who has reason to believe that he will be excused from physical education because of physical disability must register and report to a physical education class until he has had a conference with the head of the department and the College physician.

Preparation for the Major, University of California, Berkeley. Required: Chemistry 1, first 18 weeks; Biology 1; Physiology 1; Psychology 1, first 18 weeks; Hygiene 3; Physical Education (3 quarter units); and training in the various athletic activities. Recommended: English 12; Psychology 1, second 18 weeks; Hygiene 1; Bacteriology 1.

Preparation for the Major, University of California, Los Angeles. Required: Chemistry 3; Physiology 3; Biology 1; Hygiene 1; Physical Education (3 quarter units); and training in the various athletic activities.

Physical Education

The physical education course for men comprises activities for groups and individuals. Group activities include bowling, touch football, speedball, playground ball, basketball, volley ball and baseball. Individual activities include wrestling, boxing, golf, swimming, badminton, and tennis. In tennis, match play is a regular feature of the training.

Physical Education (section limit, 35). (Gymnasium and Field.)

Tennis: Class limit, 24.

One-half unit, each quarter.

Athletics Mrs. Huntley

In addition to the sports offered in the general physical education course a more intensive training is given in extracurricular athletics preparatory to interclass games, play days, and events sponsored by the Women's Athletic Association. Tennis or any of the team sports may be elected.

One-half unit, each quarter.

For Women

Physical Education

The physical education course for women comprises the following activities and types of training: folk and character dances; gymnastic games; group and team competition in volley ball, basketball, tennis, archery, badminton, bowling, hockey, swimming and golf. Two hours weekly.

One-half unit, each quarter.

Athletics Mrs. Huntley

First Aid and Water Safety Mr. Gilkeson

The standard Red Cross course. Designed to teach the individual how to prevent accidents; to furnish him with sufficient knowledge to determine
the nature and extent of an injury; and to train him as a first aider to do the right thing at the right time.

Three units.

Community Recreation
Mr. Gilkeson

Required of all students majoring in physical education. Consists of a survey of the literature on play and recreation and an examination of present day development in all fields of recreation.

Three units.

Fundamental Activities
Mr. Mortensen

Development of skills in individual and team sports.

Two units, each quarter.

Coaching Methods
Mr. Gilkeson

Principles of interscholastic and intercollegiate athletics. Techniques of coaching and officiating.

Three units.

PHYSICS

Preparation for the Major. Required: Physics 1, 10; Chemistry 1; Mathematics 3abc, 4abc. Recommended: A reading knowledge of French and German.

1. General Physics
Mr. Bliss

Prerequisite: High school physics and high school mathematics including trigonometry with average grade of B or better in both fields.

Mechanics, properties of matter, and heat. Primarily for students who expect to major in physics, and for students in engineering, chemistry, and architecture. Mathematics 3abc must be taken concurrently with Physics 1. Three one-hour conferences and one laboratory period weekly.

Four units, each quarter.

2. General Physics (2 and 3 U.C.)
Mr. Haslam, Mr. Twogood

Prerequisite: High school algebra and geometry with recommending grades.

Properties of matter, mechanics, heat, light, sound, electricity and magnetism. Meets the requirements for pre-medical or pre-dental students. Three one-hour classes and one laboratory period weekly.

Four units, each quarter.

3. Photography
Mr. Bliss

Prerequisite: High school chemistry or physics with grade of A or B.

Lectures on making exposures, pictorial composition, lighting, slide making, apparatus, and materials; criticism of student's photography.

Two units, each quarter.

5. Physics (10 U.C.)
Mr. Haslam

The course offers a brief presentation of the more important principles of physics with experimental illustrations. A non-mathematical course without laboratory.

Three units, each quarter.

10. General Physics
Mr. Bliss

Prerequisite: Physics 1.

Magnetism, electricity, wave motion, sound, light presented as a continuation of Physics 1. Primarily for engineering students and for those who expect to major in physics. Two one-hour conferences and one laboratory period weekly.

Three units, each quarter.

PHYSIOLOGY

Preparation for the Major. Required: Physiology 1; Physics 2; Chemistry 1, 13. Recommended: Zoology 1; Chemistry 10, 11; a reading knowledge of French and German.

Physiology 1 or 3 is accepted in satisfaction of the requirement in hygiene for the degree of Associate in Arts.

1. Introductory Physiology
Mr. Slette

The structure and function of the human body. Two lectures and one laboratory period weekly.

Three units, each quarter.

3. Physiology and Anatomy
Mr. Slette

Same as Physiology 1, but with an additional laboratory period each week devoted to anatomy. Equivalent in content and hours to "Introductory
Physiology" and "General Human Anatomy" as given at the University. Designed for majors in nursing or in physical education.

Four units, each quarter.

POLITICAL SCIENCE

1. Political Science (1 and 2 U.C.) Mr. Mackenzie
The first half of the course deals with the principles and problems of government, with emphasis on national government in the United States; the second half is a comparative study of the governments of Great Britain, France, Russia, and Japan.

Three units, each quarter.

PSYCHOLOGY

1. General Psychology Miss Fraser, Mr. Gladden
The scientific study of mental processes and human behavior. Required for upper division courses in psychology and education.

Recommended Prerequisite: Biology 1, or Zoology 1. Recommended: French, German, chemistry, physics.

Three units, each quarter.

6. Psychology (23 U.C.L.A.) Miss Fraser
Personal and social adjustment. Personality development. A practical guide to personality improvement.

Two units, each quarter.

SOCIOLOGY

1. Sociology Miss Fraser
A survey of social science. A description of man’s life with particular emphasis on life in America which includes the study of social institutions and social problems.

Three units, each quarter.

SPANISH

Preparation for the Major. Required: Spanish 1, 2, 3, 10 (each course with not less than a C average); a minimum of two years of high school Latin, or Latin AB. Recommended: Spanish 11; French, Italian, and additional Latin; History 8.

1. Elementary Spanish (1 and 2 U.C.) Miss Kincell, Mrs. Wright
The essentials of Spanish grammar with careful drill on pronunciation, reading, and writing; dictating and memorizing; translation of short stories and plays, with conversation based on Spanish texts. Collateral reading, with discussion in Spanish by the class. Open to students who have had no Spanish, or only one year of high school Spanish.

Four units, each quarter.

2. Intermediate Spanish (3 and 4 U.C.) Miss Kincell
Prerequisite: Spanish 1, or two or three years of high school Spanish with grade of at least B.
Reading of Spanish novel, plays, short stories, periodicals with oral and written exercises based upon class work. Reports on collateral reading. Further study of Spanish grammar and syntax. Course is conducted largely in Spanish.

Four units, each quarter.

4. Beginning Conversational Spanish Miss Kincell
Open to students who have had no Spanish or only one year of high school Spanish. (Is not equivalent to Spanish 1.)
A supplementary course, with oral approach, designed for the student who requires review and oral drill upon the work he has previously taken, as well as for the beginner. Emphasis upon spoken Spanish and the early reading of easy stories and newspaper articles relative to Spanish and Spanish-American cultural materials. Attention to high frequency idioms and vocabulary building. Extensive collateral reading in English. Meets three hours weekly.

Two units, each quarter.

10. Advanced Spanish (25A-25B U.C.) Miss Kincell
Prerequisite: Spanish 2, or four years of high school Spanish.
The modern and contemporary Spanish novel and drama. The first eighteen weeks are devoted to a study of the novel; the second eighteen weeks to the drama. Selections from the works of important novelists and dramatists are read and discussed in class and as collateral work, with reports in

Three units, each quarter.

11. Advanced Spanish Composition and Conversation
   
   Prerequisite: Spanish 2, four years of high school Spanish, or approval of instructor.

   A review of grammar, composition, and conversational practices. Individual projects. This course is designed to meet the requirements of two classes of students: (1) those desiring further preparation for courses in the university; (2) those desiring greater facility in the practical use of the language. Spanish majors are advised to take this course concurrently with Spanish 10.

   Two units, each quarter.

12. Advanced Spanish
   
   Prerequisite: Spanish 10 or permission of instructor.

   Directed reading in Spanish literature. Oral and written reports submitted at weekly conferences.

   One or two units, each quarter.

14. Advanced Spanish
   
   Prerequisite: Spanish 10 or permission of instructor.


   One or two units, each quarter.

VOCATIONAL COURSES

Students wishing to enroll in vocational courses should confer with the Registrar. Units received for work completed in shop courses will be counted in partial satisfaction of the requirements for the Associate in Arts degree, but the evaluation of such units for transfer will be left to the institution to which transfer is made.

ZOOLOGY

Preparation for the Major, U. C. (Berkeley). Required: Zoology 1, and high school chemistry or Chemistry 1 (first 18 weeks). Recommended:
COURSES OF INSTRUCTION

1. Aeronautics Survey
Mr. Rohrer

A general information course, covering the history of aviation, development of air transportation, private flying, economic and social aspects of aviation, and selected topics for class discussion and reports. This course is non-mathematical.

Two units, each quarter.

Mr. Rohrer

Prerequisite: Elementary algebra, plane geometry, and high school physics.

The fundamental principles of weather analysis, the atmosphere, weather elements, clouds, air masses and circulation, frontogenesis, thunderstorms, and fog. Interpretation of teletype reports and weather maps. Elementary forecasting and climatology.

Three units, each quarter.

3. Air Navigation (Ast. 10 U.C.L.A., Ast. 9 and 10 U.C.)
Mr. Rohrer

Prerequisite: College algebra and trigonometry.

a. Principles of pilotage, map projection, dead reckoning, instruments and procedures, vector and computer solution of special problems, relative movement and contact flying.

b. Radio in navigation, principles and procedures, equipment, the sailings, field of action of aircraft, theoretical problems.

c. Celestial navigation principles and practices, reduction of the astronomical triangle, plotting lines of position and fixes, star identification, use of the sextant, astro-compass, and astrograph.

Three units, each quarter.

7. Aeronautical Drafting (See Engineering 1 and 11a)
Mr. Shepard

11. Advanced Aeronautical Drafting (See Engineering 3 and 12)
Mr. Shepard

21. Aircraft Mechanics
Mr. Rohrer


Two or three units, each quarter.

25. Aircraft Engine Mechanics

Prerequisite: Aeronautics 31abc.

COURSES OF INSTRUCTION

30. Aerodynamics (Engineering 121 U.C.)
Mr. Rohrer

Prerequisite: College algebra, trigonometry, and physics.

Physical properties of the air, airflow, airfoils, lift and drag computations, propeller theory, boundary layer control, compressibility, performance at sea level and at altitude, elementary design factors, load factors, weight and balance control, special problems of performance and design.

Four units, each quarter.

31. Aircraft Powerplants
Mr. Rohrer

Prerequisite: College algebra, trigonometry, and physics.

a. Fundamentals of diesel aircraft engines, propellers, engine design and maintenance, trouble shooting, engine operation.

b. Theory of gas turbines and jet propulsion, types of jet units, advantages and disadvantages of jets, important experiments, boundary layer control, modern jet-propelled and turbine-driven aircraft.

c. Theory of rocket propulsion, early research, rocket design, fuels, study of present-day rockets, future of rockets for aircraft propulsion.

Three units, each quarter.

70. Fixed Base Operations
Mr. Rohrer

Prerequisite: College algebra. Recommended: College chemistry.

a. Airport design and construction, principles of site selection, survey, grading, drainage, paving, buildings, lighting, and master plan.

b. Airport operation and management, personnel, expenses, accounting practices, insurance, public relations, sources of revenue, advertising, safety, community education in aviation.

c. Air traffic control, development, modern air traffic control systems, airport traffic control, control tower operation and equipment, future of airway and airport traffic control, laboratory work for airport management.

Three units, each quarter.

81. Basic and Advanced Pre-Flight
Mr. Rohrer

a. Basic pre-flight, including elementary navigation, meteorology, radio communications, general service of aircraft, and civil air regulations. This course meets the requirements of the C. A. A. for Basic Ground School.
b.c. Advanced pre-flight, continuation of basic pre-flight with additional instruction in civil air regulations, navigation, meteorology, and radio. Also instruction covering aircraft structures, theory of flight, and aircraft engines. This course meets the requirements of the C. A. A. for Advanced Ground School.

Three units, each quarter.

85. Primary and Advanced Flight Instruction

Riverside Flight Academy, Inc.

Prerequisite: Aeronautics 81abc.

a. Primary flight instruction, consisting of thirty-five to forty hours of dual and solo flight leading to the C. A. A. Private Pilot License.

b. Advanced flight instruction, consisting of one hundred thirty hours of dual, solo, night, and cross country flight leading to the C. A. A. Commercial Pilot License.

One and one-half units, each quarter.

86. Advanced Flight Training Courses

Prerequisite: Aeronautics 81abc and 85abc.

a. Flight instructors' course, consisting of forty hours of ground instruction and forty hours of flight instruction, leading to the C. A. A. Flight Instructors' Rating.

b. Instrument pilot course, consisting of thirty hours of ground instruction, ten hours of link trainer, and twenty hours of flight instruction, leading to the C. A. A. Instrument Rating.

c. Multi-engine course, consisting of necessary ground instruction and flight instruction to qualify for the multi-engine rating (ground and flight instruction to be determined according to the individual needs of each student).

Four units, each quarter.

92. Applied Aircraft Mechanics

Theory and shop instruction covering woodwork, metal work, dope and fabric, cable splicing, rigging, welding, maintenance and repair of aircraft, and all other subjects necessary to qualify for the C. A. A. Aircraft Mechanic License.

Six or eight units, each quarter.

95. Applied Aircraft Engine Mechanics

Theory and shop instruction, covering the servicing and operation of aircraft engines, overhauls, periodic inspections, and trouble shooting. Also thorough instruction on carburetion, electrical systems, propellers, lubrication, instruments, and all other subjects necessary to qualify for the C. A. A. Aircraft Engine Mechanic License.

Six or eight units, each quarter.

99. Independent Study

Prerequisite: Approval of the instructor.

Special problems in some phase of aeronautics consistent with the student's program of study. This course is limited to second-year students.

Two or three units, each quarter.

Cosmetology

Mrs. Morris, Mrs. Neal

The course in cosmetology trains students for positions as licensed operators in beauty shops. Those students who complete the course are eligible to take the state board examination in cosmetology. The regular course extends over a period of 1600 hours as required by the State Board of Cosmetology and includes such branches of the profession as permanent waving, hair styling and cutting, pedicuring, creative hair styling, "Curly Cutting," hair tinting, facial work and manicuring. Consideration is also given to such related subjects as personal hygiene, public health, physiology, bacteriology, psychology, shop ethics and salesmanship.

Students must be at least seventeen years of age and a high school graduate. Not required, but recommended as prerequisites are: chemistry, physics and life science. Good health is also a requisite.

Students in the Riverside College Cosmetology Department find three types of learning stressed: (1) individual instruction in all departments; (2) class work; (3) shop experience. Upon the satisfactory completion of the course, all students are graduated from the department. Those students who wish to receive the Associate in Arts degree must also complete the following courses: English 1, History 3, and Physical Education.

The Cosmetology Department offers a brush-up course for out-of-state operators or for those who wish to improve their technique. These courses range from two to eight weeks in length.
THE ADULT DIVISION

The Board of Education of the Riverside City Schools, in May, 1945, placed all adult education activities under Riverside College. This division is administered by a director and is known as the Adult Division of Riverside College. Classes are held both during the day and in the evening. A wide range of subjects is offered and a constant attempt is made to arrange new classes as the needs of the community change.

Any adult eighteen years of age, or a graduate of an accredited high school is eligible for admission to classes. No tuition is charged but students are expected to buy books and to pay for materials and supplies.

Many of the courses carry either high school or college credit. Those persons working for credit must comply with the following regulations:

1. Make written application to the office within the first three weeks of the school quarter.
2. Provide an official transcript of previous schooling.

Under certain conditions it is possible for day school students to attend evening classes. Grades and grade points are determined in the same manner as in regular day classes.

A student who wishes to complete work for the high school diploma must have his program of study approved by the Director of the Adult Division.

Another service offered is the administration and supervision of the General Educational Development Tests of the United States Armed Forces Institute, which if passed by a veteran of World War II, who has not completed his high school work, may fulfill the requirements for high school graduation.

At the beginning of each quarter a bulletin listing the courses offered is published. In the past classes in the following subjects have been held:

EVENING CLASSES

COMMERCIAL

Typing I and II
Bookkeeping
Shorthand I and II
Business Law
Banking

SCIENCE AND MATHEMATICS

Chemistry
Physics
Algebra
Geometry
Trigonometry
Aeronautics

ENGLISH AND SOCIAL STUDIES

Business English
English Composition
American History and Civics
Citizenship

FOREIGN LANGUAGES

Beginning Spanish
Advanced Spanish
French
Russian

COMMUNITY AND HOME

Sewing
Flower Arrangement
Agriculture for Veterans

TRADE AND INDUSTRY

Machine Shop
Wood Shop

DAYTIME CLASSES

ARTS AND CRAFTS

Plastics
Handicrafts
Figure Drawing
Painting
Music Appreciation
Ceramics

TRADE AND INDUSTRY

Machine Shop
Wood Shop

PHYSICAL EDUCATION

Swimming
Badminton

COMMUNITY AND HOME

Lip Reading
Sewing
Dressmaking
EXPENSES

Student Body Membership

No tuition is charged by the College, but a general student body membership fee is levied, payable at the time of registration. This fee is applicable to all students, regular, special, and auditor, and may be paid at the beginning of the academic year, or by quarters, as follows:

- Autumn, Winter, and Springs Quarters: $12.00
- Winter and Spring Quarters: 8.00
- Spring Quarter: 4.00

In event of the student's withdrawal, the student body membership fee is refunded in whatever proportion is deemed equitable.

Books and Equipment

The cost of books and equipment depends upon the courses elected and the amount of work undertaken. The average yearly expenditure for books is $25.00 to $50.00; for materials $10.00 to $35.00. If secondhand books are purchased, the cost will be materially reduced. A complete list of texts and materials required for all courses, together with costs, will be published in a separate bulletin in September, 1947.

Room and Board

The expense of room and board varies with the taste and resources of the student. Some students club together and reduce their expenses proportionally.

Because of the scarcity of rooms in Riverside students expecting accommodations should make arrangements long in advance of registration dates.

GENERAL REGULATIONS

College Residence

No dormitories are maintained by the College. Lists of rooms and boarding places approved by the College authorities are kept on file at the Administration office. Women not living at home must reside at places approved by the Dean of Women.

Automobile Parking

Parking space on the streets adjacent to the campus is limited, but a large area, with individual lanes, has been set apart for student cars at the corner of Terracina Drive and Saunders Street.

Bookstore

A cooperative bookstore is maintained at the College. The business is conducted by a manager who is selected by the College Board of Education and the Student Body Board. When books are ordered, a reasonable deposit is required.

Secondhand books are bought and sold for cash, the selling price of books in good condition being approximately two-thirds of the original price.

Student Responsibility

Conduct

It is assumed that students attending the College have a serious purpose, and that they will maintain a worthy standard of conduct. Offenses against good behavior or academic duty will be judged in the light of attendant circumstances and such action taken as seems necessary.

Social Functions

All social functions are under the general supervision of the Dean of Women, and must be approved by her before any announcement concerning them is made. The time, place, and names of chaperones must be submitted a reasonable time in advance.

Absence

All students are expected to attend every session of every course in which they are enrolled. With the approval of the Registrar a student may be dropped from a course for excessive and inexcusable absence. Request for leave to be absent from a class or explanation for having been absent should be made to the instructor in charge. Work missed for unavoidable cause may be made up with the instructor's approval. Under no circum-
stances will absence relieve the student from completing all the work assigned in a given course.

When a student has been absent from college without explanation for two consecutive weeks, his name is dropped from the rolls, and permission to be reinstated must be obtained from each instructor in whose class he is enrolled.

LEAVE OF ABSENCE AND WITHDRAWAL

Temporary leave of absence or permission to withdraw from college will be granted to the student who makes application at the Registrar's Office and complies with the terms for honorable dismissal.

CHANGE OF ADDRESS

It is the duty of the student to advise the Registrar's Office of any change in college address.

USE OF LIBRARY

General reference works and periodicals, which for convenience are placed in the reading room, do not circulate and may not be taken from the Library. Overnight books may be checked out at noon; books reserved for collateral reading may be taken at 3 o'clock. All overnight and reserved books must be returned by 9 a.m. the next college day. Books not reserved for class use may be taken out for a period of two weeks. Fines for one-day books kept overtime are five cents an hour and for two-week books five cents a day. All books must be returned and fines paid before quarter term records will be officially recognized.

GRADING SYSTEM

Grades

Grade reports are issued at the close of each quarter to all registered students in good standing. The following grade marks are used:

A, excellent; B, good; C, average; D, below average but passing; F, failed. C is the basic grade; A and B are marks of real distinction.

F, failed, necessitates a repetition of the course, if credit is to be received.

A course in which a mark of D has been received may be repeated to raise the grade, but no additional units will be allowed upon repetition.

Repeated courses are counted, however, in study-list totals.

A withheld grade must be removed within the first three weeks of the next quarter in which the student registers, or be recorded as a failure.

1Courses repeated to raise the grade must be counted in the study-list total, even though additional units are not allowed for repetition.
HONORS AND AWARDS

THE HONOR SOCIETY

The Riverside College Honor Society was founded in February, 1921. Its purpose, as set forth in its constitution, is “the promotion of scholarship among the students,” through public recognition of those who attain academic distinction.

The Honor Society is composed of active and associate members. Active members are those students who qualify for academic honors, and who upon the recommendation of the faculty are received into the Society. Associate members are members of the faculty and local community who, as representatives of other honorary scholarship fraternities, have affiliated with the College organization to encourage its ideals.

Eligibility to active membership is based solely upon scholarship attainment. Election is determined in accordance with the following regulations, which were adopted February 28, 1936:

1. The candidate for honors must have been awarded 200 or more grade points in five quarters (or the equivalent) of resident study. The candidate who has transferred from another college must have spent the last two of the five quarters at Riverside College.

2. Grade points shall be computed upon a maximum of 18 units of credit in any one quarter, and upon a maximum of 90 units for the five quarters. If, for any reason, the candidate has been permitted to undertake more than 18 units of work in any quarter, a proportionate reduction in grade points shall be made.

3. Of the 200 or more grade points required, at least 100 shall represent the scholarship grade A on the permanent record card. At least 75 additional grade points shall represent the scholarship grade A or B. The remaining 25 points may represent the scholarship grade A, B, or C. The scale is as follows:

   A, 3 grade points per unit of credit
   B, 2 " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " 

JUNIOR LIONS CUP

The Junior Lions Cup has been presented each year since 1928 to the man of the graduating class who in the judgment of the Committee has rendered the greatest service to the College during the year. A similar cup is given to the woman of the graduating class who has been adjudged worthy of like honor. Not awarded in 1946.

JACK B. CRAWFORD MEMORIAL AWARD

The Jack B. Crawford Memorial Award was established in 1946 in memory of Jack B. Crawford who gave his life in the service of his country. This award is given annually to the man student who, in the judgment of the Committee, displays outstanding sportsmanship in the field of athletics. His attitude toward his fellow students and academic work will also be taken into consideration. The man so recognized receives an award to keep in his possession. His name is also engraved on a perpetual trophy which remains in the College trophy room.

WOMEN'S ATHLETIC ASSOCIATION SCHOLARSHIP

The Women's Athletic Association Scholarship of the annual value of $25 has been awarded annually since 1933 to the woman student who in the judgment of the Committee is the outstanding leader in athletics and sportsmanship for the year. The scholarship average must be of at least C grade. The award is available only when the student who has been chosen enrolls for the succeeding autumn quarter at the College. In 1946 the scholarship was awarded to Virginia Sue Grant.

KIWANIS SCHOLARSHIP FUND

The Kiwanis Scholarship Fund was established in 1924. It is a revolving educational loan fund, administered in the interest of graduates of the College, who desire to continue their education at a senior college or university. In the selection of candidates emphasis is placed upon scholarship, character, and personal need. The following student was designated beneficiary in 1946: James William Baglien.

RIVERSIDE COLLEGE HONOR SOCIETY

Riverside College Honor Society Scholarship Fund is available to Honor Society members. Application may be made by letter stating financial need, future educational plans, and references. This should be addressed to the secretary, Miss Dorothy Kincell, Riverside College.

DONALD A. PORTEOUS FUND

The Donald A. Porteous Fund, established in 1922 by Miss Genevieve Aberdien in memory of her nephew, who was a student at Riverside College in 1920-1922, is administered for the benefit of especially deserving students who need some financial aid.
FACULTY
1947-1948

EMERITUS LIST

BOARDMAN, HARRY L.  Long Beach, California
Philosophy, Sociology
A. B., Colfax College; D. D., McMinnville (now Linfield) College; A. M., University of California. At Riverside College, 1920-1938.

COOPER, AGNES B.  Riverside  2064
Librarian
A. B., University of Illinois, Phi Beta Kappa. At Riverside College, 1927-1944.

MOORE, N. O.  4858 Howard Avenue  1843-J
Printing

TEST, CHARLES DARWIN  Laguna Beach, California
Chemistry
B. M. E., Purdue University; A. C., Purdue University. Graduate Student, University of Chicago, Colorado School of Mines, University of Wisconsin, Koenigliche Bergakademie (Freiberg, Saxony), Technische Hochschule (Berlin). At Riverside College, 1924-1941.

ACTIVE LIST

ALLISON, THOMAS G.  4690 Rubidoux Avenue  2986
Dean of the Faculty, English
A. B. (Cum Laude); A. M., L. H. M., St. Mary's College, California. Graduate student, University of California, and American Academy of Dramatic Arts. At Riverside College since 1928.

ANDERSON, ROBERT PATTON  3575 Rosewood Place  2651
English
A. B., Princeton University, Phi Beta Kappa; A. M., Princeton University. At Riverside College since 1916.

BAILEY, WILLIAM RUSSELL  3864 Ramona Drive  3826-M
Chemistry
A. B., Stanford University. Graduate student, Pomona College, and University of California; A. M., Claremont Colleges. At Riverside College since 1933.

BICKFORD, MARJORIE L.  3668 Castle Reagh  2762-J
English, Latin
A. B., A. M., University of Rochester; graduate work at Bread Loaf, Vermont; Bates College, Maine; Columbia University. At Riverside College since 1946.

BLISS, HOWARD H.  5621 Grand Avenue  2752-W
Physics, Engineering, Astronomy
B. S., University of California, Sigma Xi; M. S., University of California. At Riverside College since 1920.

BRADSHAW, RALPH H.  6385 Palm Avenue  2996-J
English
A. B., A. M., Washington University, St. Louis, Mo.; graduate work at Claremont Colleges. At Riverside College since 1946.

BRAND, RALPH E.  7165 Mount Vernon
History, Economic Geography
A. B., A. M., University of Oklahoma; graduate work, University of Southern California. At Riverside College since 1946.

BRAUTI, MARTIN  4044 Dwight Avenue  2239-M
Chemistry, Mathematics
A. B., Willamette University; M. S., University of Southern California; graduate work, Oregon State College. At Riverside College since 1946.

COOPER, LAWSON P.  2823 Prospect Avenue  0685-J
Art
A. B., Pomona College; A. M., Claremont Colleges. Graduate student, Bureau of University Travel, Harvard University. At Riverside College since 1937.

COOPER, RUTH  6770 Palm Avenue  1894
Botany, Chemistry laboratory
A. B., University of California. Graduate student, University of California, University of Wyoming, and Harvard University. At Riverside College since 1931.

CORR, DR. MAGDALANE H.  3945 Terracina Drive  6023
Examining Physician for Women
At Riverside College since 1945.

DU BEAU, BERTHA J.  3649 Briscoe Street  5768-M
Bacteriology, Hygiene
A. B., A. M., University of California. Graduate student, University of California (Hooper Foundation), John Hopkins School of Hygiene and Public Health, and Stanford University. At Riverside College since 1927.
Dwyer, Edwin O.  
R.R. 5, Box 707-C  
Commerce  
A. B., Valley City State Teachers College, North Dakota; graduate work at University of California, Los Angeles. At Riverside College since 1946.

Fraser, Frances Maxwell  
4570 Aurora Drive  
1020  
Dean of Women, Psychology, Sociology  
A. B., Vassar College; A. M., Columbia University; diploma, Oxford University. At Riverside College since 1923.

Gilkeson, Glenn  
4873 Brockton Avenue  
6087  
Basketball, Hygiene, Physical Education  
A. B., Nebraska State Teachers College; A. M., Teachers College, Columbia University. Graduate student, University of Southern California, and University of Wisconsin. At Riverside College since 1939.

Gladden, Garnett Lee  
3771 Pacific Avenue  
3173-J  
Philosophy, Psychology  
A. B., University of California; graduate student, University of California, and Claremont Colleges. At Riverside College since 1946.

Haslam, James H.  
3621 Comer Avenue  
3815-R  
Chemistry, Physics  
B. S., Rhode Island State College. At Riverside College since October 17, 1946.

Hislop, John Smith  
3194 Main  
4299-J  
Commerce  
A. B. (Cum Laude); A. M., University of California. At Riverside College since 1945.

Hucklebridge, Theodore H.  
3434 Lemon Street  
2439-W  
Hygiene, Physical Education, Track  
A. B., Stanford University; graduate work at Stanford University. At Riverside College since September, 1946.

Huntley, Catharine S.  
3668 Beechwood Place  
3179-W  
Physical Education  
A. B., University of Nevada; A. M., Columbia University. At Riverside College since 1926.

Jaeger, Edmund C.  
4462 Sixth Street  
Zoology, Biology  
B. S., Occidental College. Graduate student, University of California and University of Colorado. At Riverside College since 1922.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Phone</th>
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<tbody>
<tr>
<td>OHMEN, JOHN C.</td>
<td>3003 Central Avenue</td>
<td>5241-W</td>
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<tr>
<td>Director of Adult Education</td>
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<td></td>
</tr>
<tr>
<td>A. B., University of California; graduate student, University of California, Claremont Colleges, University of Southern California, and University of Redlands. At Riverside College since 1946.</td>
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</tbody>
</table>

| PALMER, JAMES M.    | 8423 Indiana Avenue     | 3594  |
| Military Science and Tactics |                      |       |
| A. B., University of Minnesota; LL. B., University of Minnesota. Captain of Infantry, U.S.A., retired. At Riverside College since December 30, 1940. |

| PATTON, ROBERT L.   | 4070 Jurupa Avenue      | 2899  |
| English; Reports Editor, City Schools |                   |       |
| A. B. (Cum Laude), Stanford University. At Riverside College since 1931. |

| PECK, ELMER W.     | 453 East Highland Avenue, Redlands | 5763  |
| Geology, Physical Geography |             |       |
| A. B., Yale University; graduate work, University of California, Berkeley, and University of Redlands. At Riverside College since 1946. |

| PAUL, ARTHUR G.    | 1912 Pennsylvania Avenue | 1655-J|
| President |                                           |       |
| A. B., Occidental College, Phi Beta Kappa. Graduate student, University of California. At Riverside College since 1917. |

| RICHARDS, JULIAN K.| 1064 Pershing Avenue, San Bernardino |       |
| French, German |                                         |       |
| A. B., A. M., Columbia University; Certificat d'Etudes, Francaises, Universite de Grenoble. Graduate student, University of Chicago, Baylor University, and Stanford University. At Riverside College since 1922. |

| ROHRER, WILLIAM G. | 20 North Buena Vista, Redlands | 22516 |
| Aeronautics |                                                  |       |
| A. B., University of Redlands; graduate student, University of Redlands. At Riverside College since January, 1947. |

| SAYRE, EDWIN D.    | 1670 Hillcrest Avenue |       |
| Music |                                                |       |
| A. B., Mus. B., DePauw University, School of Music; A. M., Columbia University; Westminster Choir College; voice pupil of Karleton Hackett, Percy Rector Stephens, and Dr. John Finley Williamson. At Riverside College since 1946. |

| SHEPARD, WAYNE W. | 4658 Jurupa Avenue |       |
| Architecture, Stagecraft |                              |       |
| A. B., University of Washington; A. M., Claremont Colleges. At Riverside College since 1945. |

| SLETTE, OLE H.    | 715 Bunker Hill, San Bernardino |       |
| Chemistry, Physiology |                                   |       |
| A. B., St. Olaf College, Northfield, Minnesota; A. M., University of Minnesota. At Riverside College since 1946. |

| SPENCER, VIVIAN W.| 3640 Locust Street | 6095-R|
| Librarian |                                            |       |
| B. S., Utah State Agriculture College. Graduate student, Utah State Agriculture College, University of California. At Riverside College since September, 1944. |

| STALDER, CECILE | 3473 Elmwood Drive | 5758-W|
| History, English |                                   |       |
| A. B., University of California; graduate work, University of California, Claremont Colleges, and University of Southern California. At Riverside College since 1946. |

| STEFONOVICH, ANTHONY | 3433 Elmwood Court | 4551-W|
| Physical Education, Baseball |                                |       |
| A. B., University of Southern California; graduate work at University of Southern California. At Riverside College since 1946. |

| STICKNEY, CLIFFORD | 919 Bussey Street, San Bernardino |       |
| English |                                              |       |
| A. B., A. M., University of Illinois. Graduate work at University of Redlands. At Riverside College since 1946. |

| SUTPHEN, CHARLES N.| R.R. 1, Box 62, 523 Pedley Avenue, Norco |       |
| Commerce |                                               |       |
| B. S. in Commerce, M. S., Rider College, New Jersey; graduate work, Clark University, Massachusetts; Temple University, Pennsylvania; and Arizona State College. At Riverside College since 1946. |

| TWOGOOD, ARCHIE J. | 2723 Iris Street | 3104-W|
| Physics, Engineering |                                |       |
| B. S., University of California. Graduate student, General Electric Company, Schenectady, and University of California. At Riverside College since 1922. |

| VEITCH, DR. FREDERICK A. | 3660 Fourteenth Street | 5560  |
| Examining Physician for Men |                                |       |
| At Riverside College since 1942. |
Williams, J. A.  
1001 Stevenson Street, Colton 151-W  
Pschometrist, Veterans Guidance Administration  
A. B., A. M., Ph. D., Indiana University; graduate student, Columbia University, and University of Chicago. At Riverside College since 1946.

Wilson, Eve  
3921 Larchwood Place 2116-W  
Household Art, Household Science  
B. S., Kansas State College. Graduate student, University of Southern California. At Riverside College since 1942.

Wright, Ruby H.  
4246 Tenth Street 4461-J  
Spanish  
A. B., University of California; graduate work at University of California. At Riverside College since January 8, 1947.

Riverside College was founded March 13, 1916, when, in response to a general petition of electors, the City Board of Education authorized the introduction of junior college courses in the Polytechnic High School. At the opening of the fall term, September 25, 1916, twenty-four such courses were offered in fifteen departments of study. The enrollment for the first academic year was one hundred ten.

Circumstances were favorable to the development of a junior college at Riverside. The Polytechnic High School had been recently built, and its equipment was suited to advanced work. Many of the faculty had taught in college. For the period from 1916 to 1921 the new institution functioned successfully as a department of the high school.

On May 27, 1921, the California State Legislature passed the Junior College Act which authorized the formation of junior college districts.

In accordance with this act and by authority of the State Board of Education the Riverside Junior College District was formed in 1921, and the institution became thereby a district junior college. As now constituted, the district embraces, in addition to the City of Riverside, the communities of Alvord, Ferndale, Glenavon, Highgrove, Jurupa, Midland, Mira Loma, Moreno, Union Joint, and West Riverside. The City Board of Education constitutes the governing board. The College receives its financial support from the State of California on an A. D. A. basis, supplemented by a district tax. The College is therefore part of a state-wide system of regional junior colleges designated to popularize education in cooperation with the State University and under advisory supervision of the State Board of Education.

The formation of the district suggested the advisability of erecting a separate group of buildings for the use of the College. Accordingly, property was purchased on Terracina Drive and Riverside Avenue as a site for the new campus. Two residences, which stood on the site (Gage Hall fronting on Terracina and the Collier cottage in Riverside Avenue), were used as temporary quarters. Bonds were voted on May 10, 1922, and again on January 18, 1927, which have given the College its present physical plant on a separate campus, with its own library and laboratories, and its own faculty. Since 1927, certain other units have been added, the cost being defrayed by direct tax.

Management and Control

The management and control of the College are vested in a Board of Education of five members. These are chosen at the biennial city elections and hold office for four years.

1 In 1924 Gage Hall was razed and the Collier Cottage was moved to its present location on Fairfax Avenue.
AIMS AND FUNCTIONS

The College has a two-fold aim and function:

(1) to provide two-year college curricula complete in themselves which, so far as possible, shall meet the needs and objectives of the individual student without reference to preparation for upper division work in a senior college or university;

(2) to provide courses corresponding to lower division university courses which will enable students who wish to continue their studies elsewhere to transfer without loss of time or credit. As an integral part of the state system of education, the College aims specifically to satisfy the requirements of the University of California for admission to its upper division. Fulfilling the lower division requirements of the University of California is equivalent to fulfilling the lower division requirements of most standard colleges and universities.

THE COLLEGE YEAR

The College year begins in the latter part of September and continues through three terms of approximately twelve weeks each. These terms are known as the autumn, winter, and spring quarters.

The ratio between units awarded on the quarter plan (as at Riverside College) and units awarded on the semester plan (as at the University of California) is as three to two. Quarter units, therefore, may be converted into semester units by multiplying by two and dividing by three; semester units may be converted into quarter units by multiplying by three and dividing by two.

SUMMER SESSION

A fourth quarter, or summer session, is held each year immediately following the spring quarter. The quarter is divided into a six week's session, and a five weeks' session, depending upon the needs and demands of students. These sessions enable the students to do additional academic work and to make up deficiencies. Both college and high school subjects are offered. A total of nine quarter units is allowed for each session with the exception of the laboratory sciences where fifteen quarter units are allowed for the eleven-week period.

LOCATION AND CLIMATE

The College is located at Riverside in the heart of the citrus belt, sixty miles east of Los Angeles. Riverside has an elevation of 871 feet and a population of about 50,000. It is on the lines of the Union Pacific, Santa Fe, Southern Pacific, and Pacific Electric railways. A seasonal rainfall of approximately 11 inches and a mean temperature of 59.3 degrees for the college year (September 15 to June 15) ensure climatic conditions which are exceptionally favorable for intensive study.

BUILDINGS AND EQUIPMENT

The central group of academic buildings consists of one- and two-story structures. The different units are grouped about an open court, and are connected by a continuous single or double-decked arcade except on the west side of the quadrangle. At this point the covered arcade of the upper tier gives place to an open deck with wrought iron balustrade. In style the buildings represent the best period of the Italian Renaissance. The gray walls of reenforced concrete with red tile roofing are reminiscent of Spanish missions. Except at the southeast corner the central group of buildings is complete.

On the north and south most of the departments of letters and science; on the east and south most of the departments of Secretarial Science and Commerce.

On the east side of Riverside Drive stands the two-story frame building which is used by the department of Household Arts and Science.

LIBRARY

The Library reading room, which is equipped with Library Bureau furniture, has seating accommodations for 96 students. The number of bound volumes is 18,350. Approximately 150 newspapers and periodicals are regularly received. The annual budget for books and magazines ranges from $1500.00 to $2000.00. The amount expended in 1945-1946 for new books and magazines was $1003.66. The librarian, who devotes full time to the work, is a university graduate of extensive professional experience. Two assistants are employed.

The resources of the Riverside Public Library, with its 245,467 books, bound magazines, and government documents, are available to the College students.

Pronounced Te-kes-kee-te.
LABORATORIES

Laboratories devoted solely to College work are maintained in bacteriology, botany, chemistry, engineering, geological sciences, physics, psychology, secretarial science, and zoology. The value of apparatus and permanent equipment in the several departments is as follows: aeronautics, $10,000; agriculture and botany, $4950.00; bacteriology, $4800.00; chemistry, $8500.00; cosmetology, $6000.00; engineering, $2250.00; geology, $4000.00; household science, $1500.00; zoology, $4300.00.

ART AND MUSIC

Special equipment in the Art department includes a projection machine and 1000 lantern slides. Available also is a loan collection of 3000 additional slides, many of these in full color. In the ceramics division there is a large Denver kiln, a smaller kiln, and four potter’s wheels; in the glaze laboratory two ball mills for grinding ram glazes, an electric test kiln, scales, and incidental tools. In the fine art division are found many reproductions of paintings by masters. Special equipment for fine and commercial art includes etching and block printing presses, compressor, air brushes, and cutawl.

The Music department facilities include upright pianos, a Steinway grand piano, Victor radio electrola, a Webster record player with amplifier and a professional type electrical recorder designed to register the progress of voice students throughout the year.

SHOP EQUIPMENT

A new shop building with 7450 feet of floor space, located at the corner of Terracina Drive and Saunders Street, will be ready for occupancy in the fall of 1947. This building will contain classrooms, electronic laboratory, aerodynamics laboratory, compression engines laboratory, machine shop, study room and audio-visual classroom.

WELDING SHOP.—One cutting torch; one grinder; eight 200 amp Hornet portable arc welders; two 200 amp portable P. & H. Hansen welders; and one cutting machine with radiograph.

AUDITORIUM AND STAGE

The Auditorium, which is intended primarily as a student assembly hall, has a seating capacity of five hundred. The stage is unique in college architecture, opening, as occasion requires, either into the auditorium or upon the cloistered court, where open-air assemblies and commencement exercises are held. The indoor proscenium arch has a span of 20 feet 6 inches, the outdoor arch a span of 38 feet. The stage measures 41 x 44 feet.

The mural decorations in seven panels symbolize the achievements of order and design, as exemplified in aerial, agriculture, industrial, urban, electrical, governmental, and naval architecture.

A two-manual Kilgen organ is equipped with a full set of Deagan Class A chimes. The action is electro-pneumatic throughout. A double set of shutters allows the music to be heard either in the quadrangle or in the auditorium.

MEMORIAL CHIMES

The Maas twenty-one bell automatic playing tower chimes are dedicated to former students who gave their lives in World War II. The Westminster chime signal is played each hour to dismiss classes. By means of a keyboard, selected melodies can also be played. These chimes represent the culmination of a plan sponsored by the Associated Student Body, 1946-1947. Business men and other citizens contributed generously to the first World War II memorial in the city of Riverside.

GYMNASiUM

The Gymnasium is located in the arroyo below the mesa on which the academic buildings stand. It is of reenforced concrete. The main hall with a floor space of 85 x 105 feet is flanked by galleries which will accommodate sixteen hundred spectators. In the wings beneath these galleries are the shower and locker rooms. Auxiliary rooms for special exercises are also provided, as well as individual offices for the department staff. Adjacent to the gymnasium are the athletic grounds, with two football fields, two hockey fields, a quarter mile track and a 220 straightaway, six tennis courts, ten basketball courts, twelve volley ball courts, a baseball diamond, and an auxiliary baseball practice field.

BLEACHERS

In the fall of 1930 reenforced concrete bleachers were built to accommodate spectators attending pageants, football games, and track and field meets. The seating capacity is two thousand.

To ensure safety, four main exits have been provided: one at each end of the bleachers, one at the lower center, and one at the rear, where a broad reenforced concrete bridge spans the gap between the bleachers and the hillside.

The front passageway is overhanging in design, and affords weather protection for contestants in track and field meets as well as for outdoor classes.

The space between the bleachers, which is divided by a tunnel into two equal parts, has been enclosed and furnished with offices and workrooms. The western half serves as the headquarters of the Reserve Officers Training Corps.
HEALTH CONTROL AND HEALTH SERVICE

The College concerns itself with the maintenance of conditions favorable to the health of students and faculty, not only to safeguard the College community as a whole against epidemics, but also to guarantee to the individual student or instructor who enjoys normal health and physical vigor the opportunity to continue his college work under the most favorable circumstances. To this end, either Physical Education or Military Science is required of all students. Exemption may be granted to the student who because of physical disability cannot engage in active exercise, provided a physician's certificate stating the cause of the disability and fixing the time limit for the exemption is properly filed. In addition, a three-credit course in Hygiene is required of each candidate for the degree of Associate in Arts.

The College also concerns itself with controlling the academic activities of students whose health and strength do not admit of a normal curriculum, and with giving such students advice and instruction in the hope that their physical and mental health may be improved.

At the beginning of the Autumn Quarter the new student and the student who plans to participate in any sport supervised by the College is given a physical and medical examination by the College medical staff. Cases needing professional attention are referred to the physician or medical service of the student's choice.

Emergency treatment may be administered on the campus, but only temporary and limited aid is given. The Bacteriology department renders service in making tests and analyses. The City and County Health Department conducts a tuberculosis test of all College students who request the service. If necessary, X-rays are taken.

The College does not assume legal responsibility or obligation in the case of students who suffer injury while in athletic training or competition. Nevertheless, it is the policy of the College to pay, within certain limits, for the treatment of injuries thus received. This expense is normally covered by group insurance which is carried by the Associated Student Body.

EMPLOYMENT SERVICE

Many students who wish to attend school find it necessary to earn part or all of their expenses. The College can not guarantee anyone employment, but it does undertake to assist worthy students in finding work suited to their abilities.

To this end (1) the Board of Education provides in its budget for the employment of a limited number of laboratory, clerical, and janitor assistants. (2) The College maintains a Placement Service Bureau, which attempts to find part-time jobs for students while in college and permanent positions after graduation.

Students are cautioned against trying to carry a heavy academic program while under the necessity of self-support.

STUDENT ACTIVITIES

ASSOCIATED STUDENT BODY

The Associated Student Body is the official organization of the students of Riverside College. The management of its affairs is vested in an executive board consisting of the following officers, who are elected annually: President; Vice-President; Secretary; Treasurer; Men's Athletic Manager; Women's Social Chairman; Men's Social Chairman; President Associated Women Students; President Women's Athletic Association; Editor Tiger Times; Editor Tequesquite; Editor Varieties; Rally Committee Chairman; Forensics Manager. Official acts of the executive board are subject to review by the President of the College.

ASSOCIATED STUDENT BODY OFFICERS: 1946-1947
President—EVERETT WAYNE HOGUE
Vice-President—BILLY DUANE BURNETT
Secretary-Treasurer—JOYCE MAERENE BLAKELEY
Men's Athletic Manager—CHARLES W. BRAND
Social Chairman—BARBARA BABCOCK
Assembly Chairman—ROBERT FLEMING
Representative at Large—ELIZABETH ANNLONG
PAUL ALVAN BLACKFORD
Editor Tiger Times—WILLIAM OWEN AHLBORN
Editor Tequesquite—JANET ELIZABETH BREITLING
Editor Tiger Tales—ESTHER LOUISE JONES
Rally Committee Chairman—BEVERLY WINSER
Forensics Manager—None
Student Adviser—JOHN S. HISLOP

ASSOCIATED MEN STUDENTS
President—BRUCE A. WILSON

ASSOCIATED WOMEN STUDENTS
President—PAULA LORRAINE HENDERSON
Vice-President—PATRICIA ELIZABETH ABRAHAM
Secretary—ANN LOUISE MCCOY
Treasurer—JACQUELINE COTE'
Social Chairman—MARGARET JOAN SHEPPARD
Publicity—IDAMARIE BOYER

OTHER ORGANIZATIONS
Bachelorettes
Bible Club
Engineers Club
G. I. Association
Jokers Club
Junior Lions

1 See Physical Education.
Kappa Upsilon
Lettermen's Club
N. A. A. C. P.
(National Association for the Advancement of Colored People)
Pan American
Women's Athletic Association
Y. M. C. A.
Y. W. C. A.
Zeta Phi

PUBLICATIONS

The Tequesquite is the Riverside College annual. The editor and business manager are appointed by the outgoing editorial board of the Tequesquite.

The Tiger Times which is published twice a month contains current news of campus and college activities. The editors and manager are appointed by the outgoing editorial board of the Times.

DEBATING

Riverside College is a member of the Southern California Junior College Debating Conference, which consists of two divisions with the member colleges grouped as follows:
Western division: Compton, Glendale, Long Beach, Los Angeles, Pasadena, Santa Monica, Ventura
Eastern division: Chaffey, Citrus, Fullerton, Pomona, Riverside, San Bernardino, Santa Ana

In the eastern division, three debate tournaments are held each year. On each occasion the ballots of the judges are sealed without being announced, and opened only at the close of the third tournament to decide the conference champion.

DRAMATICS

The interests of drama are served by the classes in dramatic art, English 9 and 19, which sponsor the production of two or three programs of short plays during the year.

MUSIC

Musical activities are given a large place in the life of the College. Instrumental music is represented by the band; choral music by the student choir and glee clubs. These organizations participate in assembly and commencement programs.
RIVERSIDE COLLEGE GRADUATES
CLASS OF 1946

GRADUATES

William Owen Ahlborn
James William Baglien
David S. Bell, Jr.
Marjorie Elaine Best
Richard Duane Bieser
Ruby Frances Boyd
Hettie Mae Canonge
Nancy Ann Crane
Mary Geraldine Dahlquist
Thelma Dixey
Robert LeRoy Drake
Dorothy Carol East
Jean Marie Fairfield
Elizabeth Katherine Felt
Margaret Ann Gregory
June Marie Hackett*
Doris Maxine Harris
J. Vee Hunton
Mary Margaret Hurley
Elizabeth May Kovely
John Douglas McIntosh
John Parker Muir
Jacqueline Jo Pickering
Inelda May Ritchie
Arthur Murray Robinson
George Albert Rutan, Jr.
Lloyd Robert Sallot**
Esther Yoshiko Sanematsu
Margaret Virginia Sharp
Marian Elizabeth Sharp
Clarice Patricia Shetlin
Myrtle Roach Smith
Philip Gordon Smith
Henry Allen Stepanek
Rosemary Ann Sturges
Margaret Grice Thomas
Iver John Torgerson, Jr.,***
Clar N. Underland
Beverly Kay Waite
Edmund Charles Wooding****

*** Work completed December 4, 1945
**** Work completed November 28, 1945
** Work completed December 10, 1945
* Work completed February 1, 1946

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**College Register** ........................................................................................................ April

**Books and Materials required in Courses of Instruction** .............................................. September

**Occasional Papers:** presenting the results of original research  At intervals

Copies of these publications may be obtained upon request.

Address: Registrar, Riverside College
Riverside, California