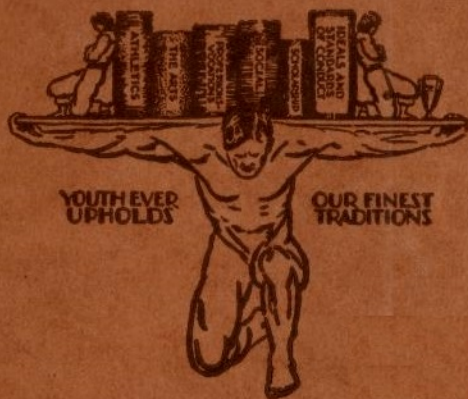


GLENDALE JUNIOR COLLEGE GLENDALE ■ CALIFORNIA



ANNOUNCEMENT
OF COURSES FOR
1938 - 1939

GLENDAL
JUNIOR
COLLEGE

*Catalog and
Announcement of Courses
1938 - 1939*



GLENDAL, CALIFORNIA

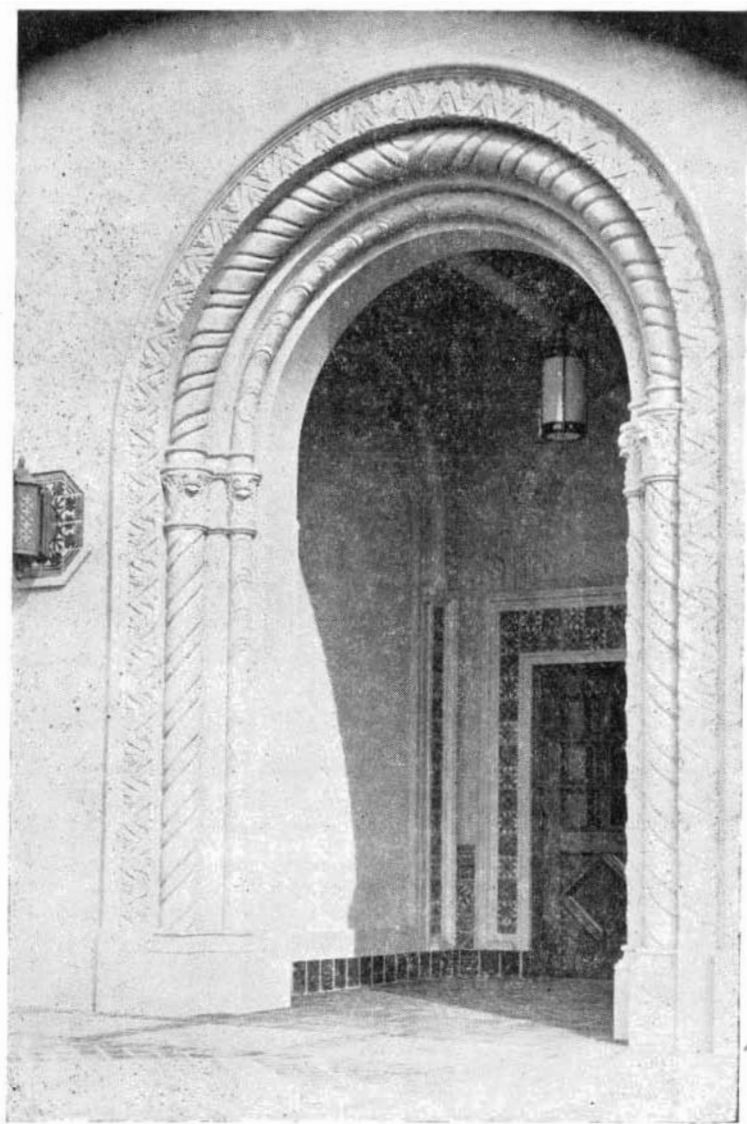


Table of Contents



	Page
I. Administration	7
II. General Information	11
III. Grades and Scholarship	19
IV. Admission and Registration	21
V. Graduation Requirements	26
VI. Lower Division Requirements at Various Universities.....	27
VII. Semi-Professional Curricula	31
VIII. College and Professional Curricula	42
IX. Announcement of Courses	62
X. Index	115

CALENDAR 1938-1939

FALL SEMESTER

Sept. 8.....	Psychological Examination	9:00 A.M.
Sept. 8.....	Subject A Examination.....	2:00 P.M.
Sept. 12.....	Forum Meeting for NEW Students.....	2:30 P.M.
Sept. 12.....	Registration of OLD Students.....	9:00 A.M. - 3:00 P.M.
Sept. 13.....	Registration of OLD Students.....	9:00 A.M. - 12:00 M
Sept. 13.....	Registration of NEW Students.....	1:00 P.M. - 4:00 P.M.
Sept. 14.....	Registration of NEW Students.....	9:00 A.M. - 4:00 P.M.
Sept. 15.....	Registration of NEW Students.....	9:00 A.M. - 12:00 M.
Sept. 15.....	Registration of SPECIAL Students.....	1:00 P.M. - 4:00 P.M.
Sept. 16.....	Class Instruction Begins.....	
Oct. 14.....	Last Day for Filing Graduation Petitions.....	
Oct. 28.....	Grade Reports (First).....	
Nov. 11.....	Holiday—Armistice Day	
Nov. 18.....	Last Day to Drop Courses.....	
Nov. 24-25.....	Thanksgiving Vacation	
Dec. 2.....	Grade Reports (Second).....	
Dec. 19-30.....	Christmas Vacation	
Jan. 2.....	Holiday—New Years	
Jan. 18.....	Final Examinations Begin.....	
Jan. 27.....	End of Semester.....	

SPRING SEMESTER

Jan. 27.....	Psychological Examination	9:00 A.M.
Jan. 27.....	Subject A Examination.....	2:00 P.M.
Jan. 30.....	Forum Meeting for NEW Students.....	2:30 P.M.
Jan. 30.....	Registration of OLD Students.....	9:00 A.M. - 3:00 P.M.
Jan. 31.....	Registration of OLD Students.....	9:00 A.M. - 4:00 P.M.
Feb. 1.....	Registration of OLD Students.....	9:00 A.M. - 12:00 M
Feb. 1.....	Registration of NEW Students.....	1:00 P.M. - 4:00 P.M.
Feb. 2.....	Registration of NEW Students.....	9:00 A.M. - 12:00 M.
Feb. 2.....	Registration of SPECIAL Students.....	1:00 P.M. - 4:00 P.M.
Feb. 3.....	Class Instruction Begins.....	
Mar. 1.....	Last Day for Filing Graduation Petitions.....	
Mar. 17.....	Grade Reports (First).....	
Mar. 31.....	Last Day to Drop Courses.....	
Apr. 3-7.....	Easter Vacation	
Apr. 28.....	Grade Reports (Second).....	
May 30.....	Holiday—Memorial Day	
June 7.....	Final Examinations Begin.....	
June 16.....	End of Semester.....	

ADMINISTRATION



BOARD OF EDUCATION

Merritt P. Kimball.....	President
George W. Blanche.....	Secretary
Clency H. Hasbrouck	J. Marion Wright
Mrs. Roy L. Adamson	



OFFICERS OF ADMINISTRATION

Willard S. Ford.....	Superintendent
A. L. Ferguson.....	Deputy Superintendent
Charles A. Nelson.....	Director
Elmer T. Worthy.....	Dean of Men
Lois H. Flint.....	Dean of Women
Donald V. Spagnoli.....	Registrar
John T. Cate.....	Business Manager

FACULTY—1937-1938

Allen, Gerald Nathan—English

A. B., M. A., Occidental College.

****Beasom, James Prince—Speech**

A. B., Muhlenberg College; M. A., University of Washington.

***Bonhard, Florence M.—French, Spanish**

A. B., Stanford University; M. A., Columbia University.

***Buck, Louise H.—Botany, Zoology**

A. B., Mount Holyoke College; M. A., University of Pennsylvania.

Caya, O. Howard—Art

A. B., Santa Barbara State Teachers College; Bachelor of Art Education, California School of Arts and Crafts.

Champlin, Winifred E.—Physical Education, Hygiene

B. S., University of Washington.

Collins, Mary Jane—English

A. B., De Pauw University; M. A., University of Southern California.

Cox, Helen W.—Physical Education, Hygiene

B. S., M. S., University of Southern California.

***Crawford, H. H.—Engineering**

B. S., University of Missouri; M. A., University of Southern California.

Fox, Marguerite V.—French

A. B., De Pauw University; Diploma of French Literature, University of Bordeaux, France.

Fritch, C. Lorene—Dean of Women, Mathematics

A. B., University of California; M. A., University of Southern California.

Griffing, Burgoyne L.—Physics

A. B., Washburn College; M. A., University of Kansas.

Harrington, Charles H.—Chemistry, Physics, Mathematics

A. B., M. A., Stanford University.

Hawkes, Ernest William—Zoology

A. B., Dakota Wesleyan University; M. A., University of Pennsylvania; Ph. D., University of Pennsylvania.

Herndon, Leroy Travers, Jr.—Spanish

A. B., Stanford University.

- Johns, Ralph Leslie—Psychology, Philosophy**
A. B., M. A., University of California; B. D., Pacific School of Religion.
- *Johnston, Lucile M.—Art**
A. B., California School of Arts and Crafts.
- Jonas, James L.—Physical Education**
A. B., M. A., University of Southern California.
- Kerr, William C. D.—French, Spanish**
A. B., University of North Carolina.
- Kienle, John E.—Social Science**
A. B., A. M., Central Wesleyan College; M. A., University of Southern California.
- *Klawiter, Frances Stuart—Social Arts**
A. B., University of California; M. A., Stanford University.
- Klotz, Dorothy Esther—Commerce**
B. S., Ohio State University; M. S., University of Southern California.
- *Koblik, Harry I.—Art**
A. B., University of California.
- Lewis, Richard B.—Speech, English**
A. B., San Jose State Teachers College.
- Mane, Florenze K.—Commerce**
A. B., University of California; M. A., Columbia University.
- Mead, Edward Hunter—English, Social Science, Speech**
A. B., Pomona College; M. A., Claremont Colleges; Ph. D., University of Southern California.
- Meserve, Clement D.—Geology, Mathematics**
A. B., Yale College; M. A., University of California.
- Miller, Gwen—Commerce**
B. S., M. S., University of Southern California.
- Murphy, May Elizabeth—English**
A. B., University of Montana; M. A., University of Wisconsin.
- Myers, D'Alton B.—Commerce**
B. S., M. B. A., University of Southern California.
- Nelson, Charles A.—Director**
A. B., University of Washington; M. A., Stanford University.

Nichols, C. Leslie—Mathematics

B. S., Franklin College; M. S., University of Nebraska.

Nichols, Esther Ramont—Librarian

A. B., University of Southern California; Credential in Library Craft, University of California.

Noble, Loyd S.—Commerce

A. B., Simpson College; L.L. B., University of Southern California.

Pattison, Irene Maddocks—Music

Bachelor of Music, College of the Pacific.

Place, Derrill—Journalism, Speech, English

A. B., Wabash College; M. A., Ohio State University.

Rambo, Anne Haussler—Social Science

A. B., Walla Walla College; M. A., Occidental College.

***Roberts, Walter C.—Engineering**

A. B., M. A., University of California at Los Angeles.

Shennum, Harland Otis—Music

B. S., Nebraska State Teachers College.

Spagnoli, Donald Verne—Registrar, Social Science

A. B., M. A., University of California.

Tenison, Sam Alfred—Physical Education, Hygiene

B. S., James Milliken University.

Turrill, Park Lovejoy—Chemistry

A. B., B. S., University of Redlands; M. S., University of California.

Ueland, Emma M.—Social Arts

B. S., Oregon State College; M. A., Columbia University.

Wiebe, Herman H.—German

A. B., University of Nebraska; M. A., University of Wisconsin.

Worthy, Elmer Thomas—Dean of Men, Social Science

A. B., J. D., Stanford University; M. A., University of Southern California.

*Part Time Instructor.

**Absent on Leave.

GENERAL INFORMATION

HISTORY AND ORGANIZATION

In March 1927, the citizens of Glendale, by an overwhelming vote of nineteen to one, approved the establishment of the Glendale Junior College District. The Junior College District is coterminous with the Glendale Unified School District and is governed by the same Board of Education, which is regularly organized as the Board of Directors of the Glendale Junior College District.

Class instruction began for the first time on September 19, 1927. There were four full time and five part time junior college instructors. During this first year the total enrollment reached 139, with an average daily attendance of 102 for the entire year.

The enrollment for the collegiate year 1937-1938 totaled 1297. The faculty included 35 full time and 9 part time junior college instructors.

The Junior College has attained considerable success during its first ten years. The University of California has placed it on the accredited list. The students have an excellent collegiate spirit. There are many clubs and organizations. Regular inter-collegiate competition in men's athletics, women's playday games, and debating has been introduced. Many social gatherings are held. A weekly newspaper and an annual are published each year.

LOCATION OF COLLEGE

The Glendale Junior College is located in Glendale, California, a city of about 75,000 people. A new college has just been completed on a beautiful 25 acre tract in the northeast part of the city. The campus when fully landscaped will be one of the most picturesque in the west. A large administration building and a modernly equipped science building and separate locker rooms for men and women have already been built. Over half a million dollars have been expended with plans for further growth.

EQUIPMENT

Every effort has been made to equip adequately every department of the institution for college work. The chemistry and physics departments have been equipped with the very best type of apparatus. The biological and geological departments are well supplied with necessary equipment and supplies. Instruments have been purchased for the music department while calculating machines and other office appliances have been secured for the commerce department. Fine instruments for the surveying classes have been provided. New equipment and supplies have been liberally added from time to time by the Board of Education.

LIBRARY

The Junior College library is housed on the second floor of the Administration Building. The reading room seats 165 students and provides, in addition to the main book collection, reference material, bound magazines and the card catalogue. Two additional rooms provide space for cataloguing of books, storage, and for unbound magazines.

The library contains approximately 10,000 volumes and receives regularly 125 of the best periodicals and 7 daily and weekly newspapers.

The library is open from 7:30 A. M. to 4:30 P. M. from Monday through Friday.

PURPOSE OF THE JUNIOR COLLEGE

The Junior College is an institution offering two years of instruction of strictly collegiate grade. The purpose of the Glendale Junior College is fourfold:

1. It offers opportunities for a college education to high school graduates who for economic or geographical reasons, could not attend college. It also offers similar benefits to adults of the community who desire to avail themselves of any of the courses offered.
2. It gives the first two years of college education at home and and prepares its students to enter the upper division of standard universities.
3. It endeavors to make provision for vocational training by giving courses for specific occupations on the semi-professional level. These curricula vary from one to two years.
4. It aids the student in finding himself, and his place in the complex society of which he is a part, by giving him constant informational and inspirational guidance along vocational, educational, social and physical lines.

COLLEGE ATTITUDE

There is every reason to believe that the great majority of young men and women attend college for the purpose of improving and equipping themselves for lives of happiness and usefulness. In order to attain this end, and thereby get the most from college, each student must maintain a proper attitude toward work and a well poised campus conduct. College students should take the initiative to institute a campus citizenship which will develop the most and the best in all. With the development of this spirit, problems of discipline become very few.

AUTHORITY OF INSTRUCTORS

No student shall be permitted to enter a class if the instructor concerned believes that he is not sufficiently prepared to do the work involved.

A student enrolled in any class is expected to attend regularly and comply with all assignments to the satisfaction of his instructor.

Any instructor satisfied that a student is willfully neglecting his work, may, with the Director's approval, exclude such student from his class. Under such circumstances the student shall be given an "F" in the course.

ATTENDANCE

Registration and enrollment in the different classes in the Junior College presupposes that recitations, lectures, and laboratory sessions will be attended regularly. Absence from class necessarily lowers a student's grade. For this reason, regular attendance is required. Students who are irregular in their attendance may be dropped from the class and give an "F" in the course.

Instructors will be expected to take into consideration attendance and attitude in determining each student's final grade.

Three tardinesses shall constitute the equivalent of one absence.

Absences in physical education must be made up, subject to satisfactory arrangements with the instructors.

EXAMINATIONS

Final examinations shall be conducted in all courses. An examination schedule will be announced, stating the time for examinations, all of which will be conducted in writing wherever practicable. No examination shall exceed three hours.

No student shall be excused from taking a final examination.

A student arriving late for an examination may be denied the privilege of writing, provided the person conducting the examination considers such tardiness inexcusable.

Re-examinations are not given except as a means of removing an incomplete or condition grade (E). See page 19.

CHANGE OF PROGRAM

A student may change his program up to but no later than Friday of the second week of college, after the opening of any semester, without penalty.

A student may drop a course before the end of the tenth week of any semester without having an "F" (Failure) recorded as his grade in the course. A student dropping a course after the expiration of the first

ten weeks will have an "F" recorded against his record with corresponding loss of grade points.

When a student withdraws from college during a given semester, by due process of application and notification to the office, he shall receive a grade of "W" provided he is passing in each particular subject when he leaves college. In any subject that he is failing at the time of withdrawal, he will receive a grade of "F".

HONORABLE DISMISSAL

Any student who finds it necessary to withdraw from college, except at the end of a semester, should make a statement to that effect and petition the faculty to grant him an honorable dismissal. All higher institutions of learning require, as a prerequisite to admission, an honorable dismissal clearance from the institution previously attended. Even though the student may not expect to attend college again, the Glendale Junior College recognizes this clearance as the businesslike method of withdrawing from college. Such procedure may prevent the individual from being graded "F" in all courses. Furthermore, a record of such dismissal will make subsequent readmission privilege possible with little delay.

No student will receive an honorable dismissal if his financial record at the college is not clear. All grades, credits, and transcripts will be withheld until all bills due the college have been paid.

STUDENT COUNSELING

The Junior College Faculty assist the administration in advising and counseling with students about their work and college problems. An attempt will be made to counsel each student in order to assist him in discovering his potentialities and limitations so that he may make the most satisfactory social, mental, moral and physical adjustments for the development of a full life.

At the time of registration each student is assigned a faculty adviser. This adviser will counsel the student during his entire career at the Junior College. Advisers are assigned to students on the basis of their major interests.

PLACEMENT BUREAU

A placement Bureau is established to assist students in finding employment. Special attention will be given to students who are specializing in commercial and secretarial courses. Systematic effort will be made to find positions for those students who are dependable and have attained skill and proficiency.

ASSOCIATED STUDENT BODY BOOKSTORE AND STUDENT UNION

A co-operative bookstore is operated by the Associated Student Body. The bookstore manager is appointed by the student executive committee.

The bookstore handles all the textbooks needed in the various

classes. In addition, a full line of college supplies is carried in stock. This includes pens, pencils, notebooks of various kinds, etc. They are sold on a very small margin of profit, which goes into the student body treasury.

During the last year a Student Union has been built on the campus. The bookstore is housed in the Union with a cafeteria and fountain. The best foods are served at moderate prices.

The Union may also be used as a general meeting place during the day where the students may study together or visit as they desire.

FEES

No tuition fee is charged in the Glendale Junior College. However, students will be held responsible for the use and breakage of furniture and equipment in all departments. Rules and regulations that are advisable and necessary for the maintenance of the school and different departments will be made by the administration.

The Student Body has agreed upon a fee of \$10.00 per year payable at the time of registration. This money is allocated by the executive board of the Associated Students to the various student activities of the college.

These activities include dramatics, music, debate, all types of athletics, Associated Women Students, Associated Men Students, Women's Athletic Association, and all worth while activities on the campus that help in the development of college life in its many phases.

1. All regularly enrolled students will pay \$10.00 for the year.
2. Any student declaring his intention to go for the first semester **only** will have the option of paying \$6.00. (If he should then enroll for the second semester he must pay an additional \$6.00).
3. Students enrolling in January will pay \$6.00 for the one semester.
4. Students enrolled in 5 units or less are required to pay a fee of \$2.50 per semester.

NUMBERING OF COURSES

All courses listed in the Catalog are accepted toward the title of Associate of Arts.

However, only courses numbered from 1 to 49 inclusive, will be accepted in the fulfillment of requirements for the Junior Certificate at the University of California. Such courses meet the lower division requirements for the Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree.

College preparatory courses, vocational courses, and junior college liberal arts courses are numbered from 50 to 100. These courses are not accepted by the University of California in meeting the unit requirements for the Junior Certificate.

In some cases it is possible for students to obtain non-university

credit in university courses. These courses will be numbered from 80 to 100 inclusive. A detailed statement concerning this possibility is given on page 62.

MATHEMATICS REQUIREMENTS

One year of high school algebra and one year of plane geometry must be completed before a student can qualify for upper division standing in a standard university.

FOREIGN LANGUAGE REQUIREMENTS

Students registering in foreign languages should note the following suggestions very carefully:

1. If a student has had no high school course in a foreign language which he desires to study in Junior College, he should enroll in the foreign language course numbered 1. In such case the student will receive 5 units for the course.
2. If a student has had **one** year in a high school course in a foreign language which he desires to study in Junior College he must enroll in the foreign language course numbered 1. In such a case, however, the student will receive only 2 units for the course. The reason for this reduction in the number of units is due to the duplication of high school work.
3. If a student has had **two** years of work in a high school course in a foreign language which he desires to study in Junior College, he should enroll in the foreign language course numbered 2. In such a case the student will receive 5 units for the course. If the student should enroll in the course numbered 1 he will receive no college credit for the repetition of high school work.
4. Students who have had **three** years of a high school foreign language should enroll in the foreign language course numbered 3.
5. Students who have had **four** years of high school foreign language should enroll in the foreign language course numbered 4.

Students who received a "D" in their last semester's work in foreign language, either in high school or Junior College, are strongly advised **not** to continue with that particular language in college.

PHYSICAL EDUCATION REQUIREMENTS

All students are required to enroll in Physical Education. Exceptions are made to this rule in the following cases only:

1. Enrollment in 5 units or less. (Even in this case, however, two units of physical education credit are required for graduation.)
2. The completion of two units of college physical education.

The State Board of Education requires that all students complete four units in health and physical education for graduation from Junior College.

TRANSFERS TO OTHER COLLEGES

A transcript of a student's record at the Glendale Junior College

will be sent to a college or university upon the request of the student. Transcripts of record are not given to students.

The admission of a student to a college or university rests entirely with the college or university. The requirements for transfer to the University of California are noted on page 24. Students planning to transfer to other institutions of higher learning are advised to refer to the catalog of that institution to determine their transfer rules.

STUDENT ACTIVITIES

Each student entering Glendale Junior College pays a student body fee of \$10.00 which entitles him to membership in the Associated Student Body. This membership includes admission to all regularly scheduled conference athletic contests, receipt of "El Vaquero" and "La Reata," and the right to vote at student body elections. A cabinet is elected by means of which the Associated Student Body may control various campus activities.

In addition to the authorized intercollegiate athletics, college activities have taken on a broad scope in all phases of college life. For the women, there are the Associated Women Students, the Women's Athletic Association, Epsilon Omega and Gamma Mu. The men have the Associated Men Students, Y.M.C.A. and the Charros Club. Epsilon Omega and the Charros Club are composed of leaders of the college and are organized primarily for service to the college.

To promote greater interest scholastically, as well as serve the college, are the Alpha Gamma Sigma, state honor society; Phi Theta Kappa, National Junior College Scholastic Fraternity; Phi Rho Pi, National Honorary Forensic Fraternity; Delta Psi Omega, National Honorary Dramatics Fraternity; Beta Phi Gamma, National Honorary Journalistic Fraternity; Tau Alpha Delta, science club; Gamma Alpha Pi, geology-paleontology club; Eta Sigma, radio club; Alpha Chi, art club; Rho Delta Epsilon, political science club; Phi Sigma Alpha, secretarial club; Delta Mu, De Molay club; Iota Delta, Job's Daughters club; Sigma Xi Sigma, science club; Sigma Pi Delta, social science club; Chi Lambda Chi, law club; Epsilon Alpha Gamma, music club; Ghain Sine Ghain, astronomy club; Lettermen's Club; Chess Club; Engineers Club; Cosmopolitan Club; Bible Club; Army-Navy Club; Press Club; El Vaquero, the weekly school paper; and La Reata, the college annual.

An Inter-Club Council has been established for the purpose of co-ordinating the club activities of the college. Permission for the establishment of new clubs must be obtained by approval of the Director and the Inter-Club Council.

HONOR STUDENTS

Glendale Junior College recognizes outstanding scholarship attainment by placing the names of such students on an Honor Roll. Students

with a scholarship average of "B" or better for any semester will have their names placed on the Semester Honor Roll. It is desired to create as stimulating an atmosphere as possible for general intellectual development among the students. The college hopes the honor students may be distinguished for mental alertness, keen analysis, and fine appreciations. Grades, as they represent such qualities as these, have a genuinely human value which the entire student body can honestly recognize.

Students who have made exceptional collegiate records are also eligible for membership in the Glendale Junior College chapter of Alpha Gamma Sigma, the state honor society, and Phi Theta Kappa, the national scholastic fraternity. Details of requirements for membership in these organizations may be found in the student handbook.

STUDENT FINANCES

A student body accounting office has been established under the supervision of the Commerce Department for handling all receipts and disbursements of the Associated Student Body and all clubs and organizations of the Glendale Junior College.

ASSEMBLIES

Official college assemblies are held twice each college month under the auspices of the Associated Students. Attendance is expected of all students. Administration problems of the college are brought before the students by the Director. Lectures, concerts, and dramatic productions are offered to the student body.

Unofficial assemblies, athletic rallies, and special student meetings are permitted by special consent of the Director.

TIME SCHEDULE OF CLASSES

The class schedule is as follows:

Period I.....	8:05- 9:00 A.M.
Period II.....	9:05-10:00 A.M.
Period III.....	10:05-11:00 A.M.
Period IV.....	11:05-12:00 M.
NOON.....	12:05- 1:00 P.M.
Period V.....	1:05- 2:00 P.M.
Period VI.....	2:05- 3:00 P.M.
Period VII.....	3:05- 4:00 P.M.
Period VIII.....	4:05- 5:00 P.M.

When assemblies are held, the class schedule is as follows:

Period I.....	8:05- 8:50 A.M.
Period II.....	8:55- 9:40 A.M.
Period III.....	9:45-10:30 A.M.
Period IV.....	10:35-11:20 A.M.
Assembly.....	11:25-12:10 P.M.
NOON.....	12:10- 1:00 P.M.

(The afternoon schedule is the same as above)

GRADES AND SCHOLARSHIP

UNITS OF WORK AND CREDIT

A "unit" is the term used to indicate one semester-hour of work, or credit—i. e., one hour of work a week continued throughout one semester is considered one "unit" of work. Each unit of work requires approximately two hours of preparation, exclusive of the time spent in recitation.

Sixty-four units are required for graduation.

UNIT LIMITATIONS

A regular student must enroll for no less than 12 units, and no more than 16½ units, unless granted permission to the contrary by his faculty adviser.

The average study list in Junior College is 15½ or 16½ units per semester. Under NO CIRCUMSTANCES will a student be permitted to carry more than 17½ units a semester without the permission of the Registrar and the Director. (The University of California will not accept more than 16 units a semester unless the preceding semester shows a "B" average in a full program.)

GRADES

The standing of students in each course will be determined by daily work and examinations. Grades will be reported in the following manner:

- A—Excellent.
- B—Good, above average, very satisfactory.
- C—Average.
- D—Barely Passing.
- E—Incomplete or condition.
- F—Failure.
- W—Withdrawn.

An incomplete grade (E) will be given only when an unforeseen emergency prevents a student from completing his work in a given course. The incomplete grade must be removed within six weeks after the beginning of the semester subsequent to the one in which the "E" was made. If not so removed, the incomplete grade automatically becomes a grade of "F" with consequent loss of grade points. Before an instructor may give a student an incomplete rather than an "F" in a given course, he must make arrangements with the office. Except in the case of an "E", instructors will not be permitted to change a grade one it has been accepted by the registrar.

The grade of "F" in any course denotes failure and the course must

be repeated if the student desires credit. An "F" cannot be removed by examination. A student receiving an "F" in a required course must repeat the course the next regular semester of his attendance in college.

The grade of "D" is the highest grade that a student may receive in the repetition of a course. However, no minus grade points will be subtracted for the first failure in the case of repetition.

When a student withdraws from college during a given semester, by due process of application and notification to the office, he shall receive a grade of "W" provided he is passing in each particular subject when he leaves college. In any subject that he is failing at the time of withdrawal, he will receive a grade of "F".

GRADE POINTS

In addition to the semester grades a system of grade points is used to determine the student's general standing and fitness for graduation. Every semester unit successfully completed will be credited with grade points corresponding to grades in the following manner:

The grade of A is credited with three grade points.

The grade of B is credited with two grade points.

The grade of C is credited with one grade point.

The grade of D is credited with 0 grade points.

The grade of F is credited with -1 grade point.

Explanation: A three-unit course, three units per semester with a grade of A earns 9 grade points; with a grade of B earns 6 grade points; with a grade of C earns three grade points; with a grade of D earns no grade points; with a grade of F loses 3 grade points.

DISQUALIFICATION

The Glendale Junior College attempts to place students in those courses in which they are interested and for which they have special abilities. When this has been done and the student has neither the attitude nor the ability to carry his program, or for any other good reason, he may be dropped from college if he fails to pass in eight units of work.

Students thus dismissed from college may, upon petition, be reinstated by the Director of the Junior College.

A student who is dropped a second time for failure is not eligible for reinstatement.

REPETITION OF A FAILURE COURSE

If a student fails in a required course, such as Political Science 5 or Hygiene I, he must repeat the course the next regular semester of his attendance in college.

The grade of "D" is the highest grade that a student may receive in the repetition of a course. However, no minus grade points will be subtracted for the first failure in the case of repetition.

ADMISSION AND REGISTRATION

APPLICATION FOR REGISTRATION

All applications and requests for information should be directed to the Registrar, Glendale Junior College, Glendale, California. From the Registrar all blanks for registration may be secured. As early as possible after graduation from high school all applicants should send transcripts of credits, certified by the principal of their high school. Failure to present a transcript may delay or prevent admission.

Formal registration takes place during the first week of each semester. Information and advice may be received at the Registrar's office previous to this time.

Prior to enrollment at Glendale Junior College, all applicants **must**:

1. File an application blank with the Registrar of the Junior College.
2. File a transcript of high school record with the Registrar.
3. Take certain psychological and aptitude examinations.
4. Take an English Subject A Examination.

No registration will be permitted after Friday of the second week of any semester.

Students entering late will be permitted to enter only those classes in which registration is not closed. The college assumes no responsibility to satisfy late entrants as to choice of subjects.

ENTRANCE REQUIREMENTS

Students must be graduates of a high school or secondary school.

Students over 18 years of age who are not graduates of a high school will be admitted to take special liberal arts and vocational courses. It is advisable, however, for students to graduate from high school before attempting collegiate work.

At the time of registration, accompanying the application for registration, a transcript of secondary school record **MUST** be filed.

RESIDENCE REQUIREMENTS

In order to comply with legal regulations concerning residence of Junior College students, the following residence rules and regulations are in force.

1. A student living in the Glendale Junior College District may attend the Glendale Junior College provided his legal residence is in the district. The legal residence of a student under 21 is with his father or legal guardian. The father is the legal guardian except when deceased or by action of a court of law. The legal residence of the father or guardian is in the school district in which he is qualified to vote.

2. A student whose residence is outside of the Glendale Junior

College District and not in another Junior College District may attend the Glendale Junior College.

3. A student whose residence is outside of the Glendale Junior College District and in another Junior College District may attend the Glendale Junior College if he presents a transfer permit from the district of residence. Applicants from a district which maintains a Junior College cannot be admitted unless a transfer permit has been granted and the Junior College District of Residence contracts to pay the Junior College District of Attendance (Glendale Junior College) the cost of education.

At the time of registration each student is required to file a "Statement of residence." Falsification on this statement may result in dismissal from the Glendale Junior College.

The Glendale Junior College District is comprised of Glendale, Montrose, La Crescenta, and Highway Highlands.

SPECIAL ENTRANCE EXAMINATIONS

For the purpose of aiding registration and making counseling more effective, certain examinations are given at the time of registration. These examinations will be scheduled for some time during the week preceding formal registration each semester.

Subject A Examination

The examination known as the Subject A Examination is designed to test the student's ability to write English without gross errors in spelling, diction, sentence-structure, and punctuation. All entering students are required to take this examination before their first registration in Glendale Junior College. Failure to take this examination is the equivalent of failure. The papers will be graded either "Passed" or "Failed."

The College Aptitude Test

This test is required of all students entering Junior College. It is a psychological test designed to test the student's ability in various types of work, and its results should serve as a material guide in a student's registration. Admission to college depends in no way upon the results of this examination.

Physical Examination

All students are given a physical examination at least once during the college year. This is done by a local physician assisted by the college nurse. Records of these examinations are kept on file and are used in outlining courses in remedial and corrective exercises in physical education.

PHOTOGRAPHS

In order to complete office records and to aid in advisory work, it is necessary that all students present themselves at the time of their first registration to be photographed. These photographs are attached to the permanent records of students.

Students whose records are incomplete due to their failure to cooperate in this matter will not be entitled to honorable dismissals. Such students will not receive grades, credits or transcripts until they have made satisfactory arrangements with the office.

ORGANIZATION OF COURSES

In an attempt to "guide" the student into the courses wherein he will derive the greatest benefit in preparing him for life, the courses of the Junior College are divided into three divisions:

1. University Preparatory Courses
2. Junior College Liberal Arts Courses
3. Vocational and Special Interest Courses

Enrollment in University Preparatory Courses is limited to students who have demonstrated by scholastic attainment that they are capable of pursuing these courses successfully. A student with no more than 2 subject deficiencies or 4 grade deficiencies in his high school program will be allowed to register in University Preparatory Courses. Exceptions are made to this general rule only in the following cases:

1. A student who has shown outstanding ability in a particular field in his high school program may be permitted to take University Courses in **that** particular field.
2. Any student may register in courses in the Art, Music, Social Arts, or Physical Education Departments irrespective of course number or high school program.

Enrollment in Junior College Liberal Arts Courses, Vocational, or Special Interest Courses is open to all students.

CLASSIFICATION OF STUDENTS

The students of the Glendale Junior College are classified on the basis of the number of units completed. The Greek letters Alpha, Beta, Gamma, and Delta are used to designate the academic standing of the students. The students are grouped into four classes and the student groups are known as Alphas, Betas, Gammas, Deltas. Each group is organized and functions as a unit in the life of the college.

Alphas—Students who have completed less than 12 units.

Betas—Students who have completed 12 to 27 units, inclusive.

Gammas—Students who have completed 28 to 45 units, inclusive.

Deltas—Students who have completed 46 units or more.

All students are classified in the above manner on the basis of the

number of units completed. For administrative purposes and in addition to this classification, any student who carries less than 12 units in a semester is considered as a "Special Student" for that semester.

TRANSFERS TO UNIVERSITY OF CALIFORNIA

The entrance requirements for admission to the University of California, effective August 1933 are as follows:

1. Graduation from an accredited secondary school in California.
2. Completion of the subjects (a) to (f) as follows:

(a) History	1 unit
(b) English	3 units
(c) Mathematics (elementary algebra and plane geometry)	2 units
(d) Science: a third or fourth year subject with laboratory	1 unit
(e) Foreign Language (in one language).....	2 units
(f) Advanced Mathematics; or Chemistry or Physics (if not offered under (d); or additional foreign language in the language offered under (e) (if in another foreign language, 2 units will be required).....	1 unit

It is to be noted that subject requirements may be completed in the junior high school or in the senior high school. In a four-year high school they may be completed in any one of the grades, including the ninth. It should be observed, however, in the following paragraph, that the grade requirement is based wholly upon the grades obtained in the last three years of the high school course.

3. An average grade of "B" or above in these subjects designated by requirements (a) to (f) which are taken by the student during the last three years of his high school course, provided, however, that no subject in which the applicant has received grade "D" will be counted in reckoning the applicant's average grade for admission or in satisfaction of the specific subject requirements.

4. A graduate of an accredited high school in California shall present a properly certified high school record showing the completion of the subjects listed (a) to (f), and the grades obtained in each of them during his last three years in high school.

Students who have fulfilled these requirements in the high school may transfer to the University of California at the end of any semester provided they have maintained at least a "C" average at the Glendale Junior College.

There are a considerable number of students who come from the high school without the proper qualifications for admission to the University of California. In some cases it is possible for them to remove these deficiencies in their high school programs in the Junior College.

Deficiencies in the high school program of the student are made

up in the Junior College in the following manner. The completion of a Junior College 3 unit course with a grade of "A", "B", or "C" in courses numbered from 1 to 49 inclusive, will count as the equivalent of one high school recommended unit. The completion of a Junior College 3 unit course with a grade of "A" or "B" in courses numbered from 50 to 100 inclusive will also count as the equivalent of one high school recommended unit. It should be noted, however, that the work taken in Junior College to make up unrecommended units, must be in subjects in which the student has deficiencies in his high school program. For example: to remove a high school deficiency in English, a student should enroll in a 3 unit English course numbered from 1 to 49 inclusive and receive a grade of "A", "B", or "C", or enroll in a 3 unit English course numbered from 50 to 100 inclusive and receive a grade of "A" or "B".

A student not eligible for admission to the University of California at the time of his enrollment in the Glendale Junior College may transfer there after removing the deficiencies in his high school program and either:

1. Completing, in addition, 60 units with a "C" average—grade point average of 1.0 or
2. Completing, in addition, 15 units with a grade point average of 1.5.

TRANSFERS FROM OTHER COLLEGES

Students who transfer from other colleges and universities, with acceptable grades, will be granted advanced standing in so far as the work completed corresponds with that of the Glendale Junior College, or the lower division work offered in the University of California.

Students must produce a transcript of previous scholastic record when transferring. The Glendale Junior College reserves the right to evaluate work completed in other colleges.

Students who have been disqualified in any other college, on account of scholarship, conduct, or any other cause, cannot enter Glendale Junior College until they have qualified for readmission to the institution from which they were dismissed.

GRADUATION REQUIREMENTS

Glendale Junior College grants the title of Associate of Arts. The rules of the State Board of Education state that the governing board of any junior college district shall confer the title of Associate of Arts upon any student who shall complete satisfactorily a two-year junior college curriculum of 64 semester units, including the following:

1. A major consisting of at least 20 semester units in a specified field of study.
2. Four semester units in health and physical education, as follows:
 - a. Two semester units in physical education, earned at the rate of $\frac{1}{2}$ unit per semester, for a minimum of two periods of not less than 50 minutes per week, in directed physical education activities.
 - b. Two semester units in hygiene (community and personal) earned in a one semester course of two periods of not less than 50 minutes per week. (Hygiene 1).
3. Two semester units in the Constitution of the United States, including the study of American institutions and ideals.
 - a. This course is listed as Political Science 5 in this Catalog.
4. Such requirements in oral and written English as may be established by the governing board.
 - a. The Glendale Junior College requires the satisfactory completion of six units of English.

LOWER DIVISION REQUIREMENTS, ETC.

One of the primary functions of the Junior College is to present work of a collegiate nature for students desiring to continue their work in a college or university. Glendale Junior College offers many certificate courses which include the requirements demanded by the various institutions of higher learning for the completion of the work in the lower division. The work of the lower division comprises the studies of the freshman and sophomore years. By careful choice of subjects taken in the Junior College, the student is able to matriculate in the college or university of his choice without any subject deficiencies. Lower division requirements can be completed at the Glendale Junior College.

The following lower division requirements in the College of Letters and Science for the larger colleges and universities of the state are included for the use of the student in order that he may plan his course with a definite objective in mind. It is naturally expected and necessary that the student fulfill the prerequisites for the major work upon which he will concentrate in the upper division. In addition, various general requirements are added with the purpose of establishing a basis for that breadth of culture which will give the student a realization of the methods and results of some of the more important types of intellectual endeavor, and a mental perspective that will aid him in reaching sound judgments.

Every student should choose at the earliest possible moment the college or university which he plans to attend. Colleges and universities differ in certain specific requirements. The early choice of a particular college or university will enable the student to meet the lower division requirements of that particular institution. The early choice of a major subject or department will also aid and facilitate the student in planning his program. The catalog of the college or university which the student plans to attend should be studied carefully. This responsibility is placed upon the student.

JUNIOR CERTIFICATE REQUIREMENTS UNIVERSITY OF CALIFORNIA

The Junior Certificate requirements in the College of Letters and Science at the University of California are as follows:

First, the completion of not less than 60 units of college work.

Second, the fulfillment of the following general and specific requirements:

- a. **General University Requirements**
 - Subject A.
 - Physical Education.

Military Science and Tactics (men), 6 units.

(Note: If a student completes 2 years' work in a Junior College, he is exempt from this requirement, but must elect 6 other units.)

b. Foreign Language

At least 15 units in not more than two languages. Each year of high school work in a foreign language will be counted in satisfaction of 3 units of this requirement.

c. Mathematics

Elementary Algebra and Plane Geometry. This requirement should be fulfilled in the high school. No university credit is given for them.

d. Natural Science

At least 12 units, including at least one course in a laboratory science. (6 hours of laboratory work). The choice of sciences should be made from the following list:

High School Physics* 3 units (1 high school credit)

High School Chemistry* 3 units (1 high school credit)

Astronomy 1

Botany 1*, 2*

Chemistry 1*, 2*, 3*, 4*, 5*, 6*, 11-12*

Geology 1, 2

Paleontology 1

Physics 1-2*, 3-4*, 5-6*

Zoology 1*, 2*, 3

(* Laboratory science courses.

e. Additional

A year course (of at least 6 units) in each of three of the following groups:

1. English or Public Speaking

English 1-2

Speech 3-4

2. Foreign Language

This requirement is in addition to the regular requirement of 15 units. College work in French, German, or Spanish will satisfy this requirement. This may be satisfied in whole or in part in the high school provided the language be Latin.

3. Mathematics

Any six units from the following: 2, 3, 4, 5, 6, 8. High school plane trigonometry and plane analytic geometry will be accepted in partial satisfaction of this requirement, each to count for 2 units.

4. Social Sciences
 - Economics 1-2
 - Geography 1-2
 - History 1-2
 - History 3-4
 - Political Science 1-2
 - Political Science 3-4
 - Psychology 1-2
5. Philosophy
 - Philosophy 3-4

The work offered in satisfaction of requirement (c) must consist of subjects of college grade, except as otherwise provided.

JUNIOR CERTIFICATE REQUIREMENTS UNIVERSITY OF CALIFORNIA AT LOS ANGELES

The requirements for the completion of the Lower Division work in the College of Letters and Science at the University of California at Los Angeles are identical with the requirements at the University of California at Berkeley (given above).

JUNIOR CERTIFICATE REQUIREMENTS UNIVERSITY OF SOUTHERN CALIFORNIA

The Lower Division curriculum as offered in the College of Letters, Arts, and Sciences at the University of Southern California includes the following:

English—6 units
English 1-2

Foreign Language
15 semester units in not more than two languages.
Each year of a foreign language in high school will be accepted in fulfillment of three units of this requirement.

Philosophy or Psychology—6 units
Philosophy 3-4 or
Psychology 1-2

Health and Physical Education
Physical Education—Four semesters
Hygiene 1

Sciences
11 semester units. Chemistry and physics in the third or fourth year of the high school will be accepted in fulfillment of three units of this requirement.

Social Sciences

6 units in history, political science, or economics.

Electives

Electives to complete a minimum of 60 units.

The University of Southern California has provided for a number of "exemptions or substitutions" for these requirements for students entering with advanced standing. The student is advised to note these exemptions in the Catalog of the University of Southern California.

**JUNIOR CERTIFICATE REQUIREMENTS
STANFORD UNIVERSITY**

The work of the lower division is divided into three groups. Every student is required to take at least 10 units (15 quarter units) in **each** of these groups during the first two years in the University.

Group I. **Arts and Letters**

English, foreign language, music, and art

Group II. **Natural Sciences and Mathematics**Group III. **Social Sciences**

History, political science, economics, and philosophy.

Two years of physical education are required of all students.

SEMI-PROFESSIONAL CURRICULA

The following type courses are listed as guides primarily for those students who wish to complete their formal education in two years.

These type courses have been designed as terminal or finishing courses. They better prepare the student to enter a trade or general business life and take his place in the social and economic world.

A PROFESSIONAL MAJOR IN ART

Art is playing a tremendous role in the industrial and commercial world. Competition has become keen, and the observing individual can readily see how art is brought into prominence everywhere in a most alluring way. Nearly everything we use is put up in artistic packages and wrappings. All house furnishings, from carpets to wall paper, have the touch of an artist. Back of the clothes we wear and the automobile that carries us from place to place, the artist has been on the scene. The church, the theatre, the department store, the magazine and the show window have been made inviting and pleasing by the artist. In brief, we are becoming increasingly "art conscious." Art is making business. Students who have artistic ability have marvelous opportunities before them if they will work and prepare themselves for their profession.

The following curricula have been carefully planned to give art students a thorough training in the fundamentals, with an opportunity for study in the more highly specialized fields, such as window decoration, interior decoration, caricaturing, landscape painting, costume illustration, and wherever artistic form and design is used. Any student who completes the curricula listed below should have the artistic and cultural basis necessary for further professional training. The student should plan to continue his training beyond the junior college for at least two years in order to become really proficient. Any student who considers making art his life work should plan to spend at least five years in training in order to be thoroughly prepared. Only those who have a thorough preparation are likely to succeed. At least two local private art schools are planning to require junior college graduation for admission. The student is advised to take considerable academic work other than art.

ADVERTISING ART

FIRST YEAR

First Semester	Units	Second Semester	Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	English 52.....	3
Art 1.....	3	Art 2.....	3
Art 3.....	2	Art 4.....	2
Art 5.....	2	Art 6.....	2
Art 35.....	2	Art 36.....	2
Architecture 2.....	1	Electives	4
Electives	3		
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester	Units	Second Semester	Units
Physical Education 3.....	½	Physical Education 4.....	½
Art 7.....	2	Art 8.....	2
Art 11.....	2	Art 12.....	2
Art 37.....	2	Art 38.....	2
Science *	4	Science *	4
Political Science 5.....	2	Hygiene 1.....	2
Electives	4	Electives	4
Total.....	16½	Total.....	16½

* Biological Science recommended.

COSTUME DESIGN

FIRST YEAR

First Semester	Units	Second Semester	Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	English 52.....	3
Art 3.....	2	Art 4.....	2
Art 5.....	2	Art 6.....	2
Art 7.....	2	Art 8.....	2
Art 13.....	2	Art 14.....	2
Architecture 2.....	1	Electives	5
Electives	4		
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Art 1.....	3	Art 2.....	3
Art 9.....	2	Art 10.....	2
Art 15.....	2	Art 16.....	2
Philosophy 51.....	3	Psychology 51.....	3
Political Science 5.....	2	Hygiene 1.....	2
Electives	4	Electives	4
Total.....	16½	Total.....	16½

COMMERCE AND BUSINESS

The vocational curricula in Commerce and Business are designed as terminal courses, preparing for business occupations and vocations. Increasingly, business demands trained workers. To become a real estate salesman, or an accountant, one must pass an examination before a state board. An equal amount of training is demanded of the book-keeper, stenographer, secretary, retail salesman, civil service employee, and business man or woman.

These courses will acquaint the student with economic problems and with actual business practice in accounting, salesmanship, secretarial activities, merchandising, advertising, and other fields. Through a choice of electives, the student may adapt his course to his particular needs. Consultation with the instructors in business and commerce will aid materially in making the proper selection.

BUSINESS COURSE

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
Commerce 51.....	3	Commerce 52.....	3
Commerce 57 or 59.....	3	Commerce 58.....	3
Commerce 61.....	4	Commerce 62.....	4
Commerce 68.....	3	Commerce 69.....	3
Commerce 60.....	2	Electives	3
Social Arts 31.....	1		
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Commerce 81.....	3	Commerce 82.....	3
Commerce 71.....	2	Commerce 75.....	2
Commerce 90.....	2	Commerce 95.....	2
Economics 61.....	3	Geography 55.....	3
Political Science 5.....	2	Psychology 51.....	3
Hygiene 1.....	2	Electives	3
Speech 51.....	2		
Total.....	16½	Total.....	16½

SECRETARIAL COURSE

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
Commerce 57 or 59.....	3	Commerce 55.....	4
Commerce 51.....	3	Commerce 52.....	3
Commerce 53.....	4	Commerce 54.....	4
Commerce 61.....	4	Commerce 62.....	4
Commerce 60.....	2		
Total.....	16½	Total.....	15½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Commerce 51A.....	2	Commerce 58.....	3
Commerce 53A.....	3	Commerce 53B.....	3
Commerce 56.....	4	Commerce 95.....	2
Commerce 67.....	3	Political Science 5.....	2
Geography 51.....	3	Geography 55.....	3
Electives	1	Hygiene 1.....	2
Total.....	16½	Total.....	15½

APPLIED ENGINEERING

A course for students offering no high school physics or advanced algebra, and who wish to terminate their study of engineering in two or three years.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	Political Science 5.....	2
Engineering 1.....	3	Engineering 2.....	3
Engineering 56.....	3	Engineering 57.....	3
Engineering 60.....	1	Engineering 61.....	2
Mathematics 1.....	3	Engineering 64.....	3
Physics 51.....	3	Mathematics 2.....	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

Additional work will be added to this curriculum so that the student may complete a two year curriculum in Applied Engineering at the Junior College.

LIBERAL ARTS

The following course is designed for students who desire to increase their cultural background by furthering their school work for two additional years. The student should make a particular effort to choose subjects in which he is definitely interested. Women students who pursue this course are strongly advised to include courses in the Social Arts Department.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	English 52.....	3
Science		Science	
Botany 51 or		Botany 52 or	
Chemistry 51 or		Geology 52 or	
Geology 51 or		Physics 51 or	
Zoology 51.....	3	Zoology 52.....	3
Social Science		Social Science	
Economics 61 or		Economics 51 or	
Sociology 51.....	3	Sociology 52.....	3
Choice of:		Choice of:	
French 51 or		French 51 or	
German 51 or		German 51 or	
Spanish 51 or		Spanish 51 or	
Music 53 or		Music 54 or	
Art 51.....	3	Art 51.....	3
Hygiene 1.....	2	Political Science 5.....	2
Electives.....	2	Electives.....	2
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
English 63.....	2	English 64.....	2
Speech 51.....	2	Speech 2.....	2
Social Science		Social Science	
Philosophy 51 or		Psychology 51 or	
History 51.....	3	History 52.....	3
Choice of:		Choice of:	
French 52 or		French 52 or	
German 52 or		German 52 or	
Spanish 52 or		Spanish 52 or	
Music 53 or		Music 54 or	
Art 51.....	3	Art 51.....	3
Electives	6	Electives	6
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

MEDICO-DENTAL ASSISTANT'S COURSE

This course is designed particularly for students planning on entering a doctor's or dentist's office as his assistant. Such students should be able (a) to make simple laboratory tests, (b) to keep the doctor's books, (c) to handle his correspondence, including monthly statements, (d) to meet the public capably and efficiently.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
Commerce 57.....	3	Commerce 58.....	3
Commerce 61.....	4	Commerce 62.....	4
Chemistry 41.....	4	Chemistry 42.....	4
Zoology 3.....	3	Bacteriology 51.....	4
Political Science 5.....	2		
<hr/>		<hr/>	
Total.....	16½	Total.....	15½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Commerce 51.....	3	Commerce 52.....	3
Commerce 53.....	4	Commerce 54.....	4
Chemistry 15.....	3	Chemistry 16.....	3
Physics 5.....	4	Physics 6.....	4
Hygiene 1.....	2	Psychology 51.....	3
<hr/>		<hr/>	
Total.....	16½	Total.....	17½

MORTUARY APPRENTICE COURSE

The California State Board of Funeral Directors requires the following routine for students interested in the mortuary profession:

1. The satisfactory completion of two full years of standard college work.
2. The satisfactory completion of a nine months course in a Class A School of Embalming.
3. Two years satisfactory service as apprentice in an undertaking establishment.
4. Passing the State Board Examination, which is of an oral, conference type.

Some of the subjects covered in the final State Board Examination are listed below, the others are completed in the School of Embalming. Students interested in the curriculum are urged to take it in its entirety in view of the fact that it not only satisfies the requirements given above, but also allows graduation from the college upon its completion.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
Commerce 57.....	3	Commerce 58.....	3
Chemistry 11 or 41.....	4	Chemistry 12 or 42.....	4
Physiology & Anatomy 51....	4	Physiology & Anatomy 52.....	4
Law 18.....	3	Law 19.....	3
Electives	2	Hygiene 1.....	2
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Chemistry 15	3	Chemistry 16	3
Physics 51.....	3	Bacteriology 51.....	4
Psychology 1.....	3	Psychology 2.....	3
Zoology 3.....	3	Political Science 5.....	2
Electives	4	Electives	4
Total.....	16½	Total.....	16½

NATURAL SCIENCE

The following curriculum is suggested for non-university students who are interested in the natural sciences.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	English 52.....	3
Chemistry 51.....	3	Physics 51.....	3
Geology 51.....	3	Geology 52.....	3
Zoology 51.....	3	Zoology 52.....	3
Hygiene 1.....	2	Political Science 5.....	2
Social Arts 31.....	1	Electives.....	2
<hr/>		<hr/>	
Total.....	15½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Botany 51.....	3	Botany 52.....	3
Geology 61.....	3	Astronomy 1.....	2
Engineering 1.....	3	Psychology 51.....	3
Engineering 56.....	3	Engineering 57.....	3
Photography 51.....	2	Photography 52.....	2
Electives.....	2	Electives.....	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

RADIO

Students interested in radio communication or engineering, such as: public address, technical work connected with broadcasting studios, or radio measurements, can find much that will give a solid foundation.

The physics laboratory provides opportunities for engineering measurements in radio work. Students showing interest and aptitude for the work will be given opportunities to make special measurements and tests on radio equipment. Students in the physics department operate the public address system, thereby getting valuable experience in this type of work.

The physics department maintains and operates a disk recording system by which the speech, drama, and music departments may have work recorded. Students will have opportunity to operate this equipment.

The Junior College Radio Club sponsors an experimental short wave station.

In all the radio work, stress is laid on the engineering and measurement side of the art rather than on servicing and set building.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	English 52.....	3
Mathematics 1 or 8.....	3	Mathematics 3.....	3
Mathematics 2.....	3	Political Science 5.....	2
Physics 5.....	4	Physics 6.....	4
Physics 90.....	1	Physics 91.....	1
Hygiene 1.....	2	Electives	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Mathematics 4.....	3	Mathematics 5.....	3
Physics 3.....	3	Physics 4.....	3
Physics 61.....	3	Physics 62.....	3
Physics 92.....	1	Physics 93.....	1
Electives	6	Electives	6
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SOCIAL ARTS

This suggested curriculum is particularly designed for those who are not especially interested in going to the university after finishing the Junior College. While this curriculum features social arts, yet students are advised to select courses in music, dramatics and art in order to make the training more comprehensive and more interesting.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	English 52.....	3
Social Science		Social Science	
Economics 61 or		Economics 51 or	
Sociology 51.....	3	Sociology 52.....	3
Art 3.....	2	Art 4.....	2
Social Arts 1.....	2	Social Arts 2.....	2
Social Arts 11.....	3	Social Arts 12.....	3
Electives	3	Electives	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Philosophy 51.....	3	Psychology 51.....	3
Art 51.....	3	Social Arts 4.....	2
Political Science 5.....	2	Social Arts 60.....	2
Social Arts 21.....	3	Social Arts 22.....	3
Social Arts 63.....	2	Social Arts 65.....	2
Hygiene 1.....	2	Electives	4
Electives	1		
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

VOCATIONAL MUSIC

The subjects included in the following group are designed to form a two-year course which

1. Will give a thorough working knowledge of the elements of music.
2. Will develop a cultural background for the appreciation of the arts.
3. Will encourage further music study after graduation.
4. Will furnish a necessary degree of musicianship to make music a vocation.

The course is also designed to give the student a desirable general education.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	English 52.....	3
Music 1	2	Music 2	2
Music 5	3	Music 6	3
Music 11 or 15.....	1	Music 12 or 16.....	1
Music 21	1	Music 22	1
Music 31 or 41.....	1	Music 32 or 42.....	1
Political Science 5.....	2	Hygiene 1.....	2
Electives	3	Electives	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Music 3.....	3	Music 4.....	3
Music 7.....	2	Music 8.....	2
Music 13 or 17.....	1	Music 14 or 18.....	1
Music 23.....	1	Music 24.....	1
Music 33 or 43.....	1	Music 34 or 44.....	1
Speech 3 or 57.....	3	Speech 4 or 58.....	3
Electives.....	5	Electives.....	5
Total.....	16½	Total.....	16½

SPEECH

A two year program in speech subjects is open to non-university students who wish to concentrate in public speaking, drama, or oral interpretation. The course of study illustrated is typical, but each student is privileged to plan a program that will best satisfy his interests. For details of courses and department policies, refer to page 110.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 51.....	3	English 52.....	3
Speech 51.....	2	Journalism 62.....	3
Speech 57.....	3	Speech 58.....	3
English 66.....	2	English 58.....	2
Electives.....	6	Electives.....	5
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Speech 3.....	3	Speech 4.....	3
Speech 5.....	3	Speech 6.....	3
Speech 61.....	2	Speech 62.....	2
Stagecraft 1.....	2	Stagecraft 2.....	2
English 63.....	2	English 64.....	2
Political Science 5.....	2	Hygiene 1.....	2
Electives.....	2	Electives.....	2
Total.....	16½	Total.....	16½

COLLEGE AND PROFESSIONAL CURRICULA

The following type courses are listed as guides for those students who wish to secure the Junior Certificate at the University of California, and at the same time who desire to complete the lower division requirements for the various majors in higher institutions of learning. The students are advised to follow the suggestions and courses outlined in this section.

ARCHITECTURE

Completion of this curriculum will insure acceptance of the student at the University of Southern California with full credit for the first two years' work in architecture at that university. Only those students who show unusual ability in this field are advised to attempt it.

This course presupposes the completion in high school of instrumental drawing, two units of high school French, plane geometry and intermediate algebra. The completion in high school of frechand drawing and solid geometry will aid the student in his collegiate work in architecture.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
History 1.....	3	History 2.....	3
Architecture 9.....	2	Architecture 10.....	2
Art 3.....	2	Art 4.....	2
Political Science 5.....	2	Architecture 3.....	3
Mathematics 2.....	3	Mathematics 8.....	3
Hygiene 1.....	2		
<hr/>		<hr/>	
Total.....	17½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Physics 5.....	4	Physics 6.....	4
Speech 3.....	3	Speech 4.....	3
Psychology 1.....	3	Mathematics 3.....	3
Architecture 2.....	1	Art 11.....	2
Architecture 6.....	3	Architecture 11.....	2
Economics 1.....	3	Economics 2.....	3
<hr/>		<hr/>	
Total.....	17½	Total.....	17½

ART

This course is recommended for students who plan to major in art at some institution of higher learning. It presupposes the completion of high school chemistry and physics and two years of a foreign language.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1	3	English 2	3
Foreign Language 2	5	Foreign Language 3	3
Art 1	3	Art 2	3
Art 3	2	Art 4	2
Art 5	2	Art 6	2
Architecture 2	1	Electives	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Science*	4	Science*	4
Social Science	3	Social Science	3
Philosophy 3	3	Philosophy 4	3
Foreign Languages 4	3	Electives	6
Electives	3		
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

* The student is advised to take a Biological Science.

COMMERCE

College of Commerce Requirements
University of California at Berkeley

Foreign Languages: Subject B. Students must pass an examination designed to test their ability to read one of the following languages: Greek, Latin, German, French, Spanish, Italian, Russian, Japanese, or Chinese. If the student offers 12 units of **one** foreign language he will be excused from the Subject B examination.

English Composition: Subject A. In addition 6 units of English, chosen from the following courses: English 1-2 or Speech 3-4..... 6 units

History or Political Science: History 1-2, or History 3-4, or Political Science 1-2.....	6 units
Geography: Geography 1-2.....	6 units
Natural Sciences:	9 units
Courses in physics and chemistry taken in high school may be applied toward the satisfaction of the science requirement.	
Mathematics: Mathematics of Finance.....	3 units
Economics: Economics 1-2	6 units
Physical Education:	2 units
Electives:	26 units
Total	64 units

The following curriculum will meet the requirements for the Junior Certificate in Commerce at the University of California at Berkeley. It presupposes the completion in high school of 2 years of foreign language, 2 years of algebra, and either high school chemistry or physics.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1	3	English 2	3
Foreign Language 2	5	Foreign Language 3	3
Geography 1	3	Geography 2	3
Economics 10*	3	Economics 11*	3
Hygiene 1	2	Mathematics 2	2
		Political Science 5	2
Total	16½	Total	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Economics 1	3	Economics 2	3
Economics 14 or		Economics 15 or	
Law 18**	3	Law 19**	3
Science	3	Science	3
Social Science***	3	Social Science***	3
Electives	4	Electives	4
Total	16½	Total	16½

*Economics 10 or 11 may be offered in substitution for Mathematics

of Finance. This mathematics requirement may be deferred until the junior year.

**Neither Economics 14 nor Law 18 are required for the Junior Certificate in Commerce. However, both of these courses are required for graduation. It is advisable that at least one of them be taken as electives in the first two years.

***The student is required to select either History 1-2, or History 3-4, or Political Science 1-2.

College of Business Administration Requirements University of California at Los Angeles

a. General University Requirements

Subject A
Physical Education
Military Science and Tactics (men)

(Note: If a student completes 2 years' work in a Junior College, he is exempt from this requirement, but must elect 6 other units.)

b. Either:

Foreign Language—At least 16 units in one foreign language.

or

Natural Science—At least 14 units chosen from the following list, including not less than 4 units of college courses with laboratory work. (Courses marked with an asterisk (*) meet the laboratory requirement.)

High School Chemistry
High School Physics
Chemistry 11-12*
Physics 5-6*
Zoology 1*
Botany 1*
Astronomy 1
Zoology 3
Geology 1-2 (by petition)

c. Social Science

At least 6 units in social science chosen from the following:

Political Science 3-4
History 1-2
History 3-4
Psychology 1-2

d. Required courses:

- Economics 1-2
- Economics 14-15
- English 1
- Geography 1-2
- Mathematics 8
- Mathematics of Finance (May be deferred until junior year)
- Speech 3

e. Electives

Electives should be chosen to complete a minimum of 64 units.

The following curriculum will meet the requirements for the Junior Certificate in Business Administration at the University of California at Los Angeles. It presupposes the completion in high school of 2 years of algebra, and either high school chemistry or physics.

FIRST YEAR

First Semester	Units	Second Semester	Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Foreign Language 1.....	5	Foreign Language 2.....	5
Geography 1.....	3	Geography 2.....	3
Social Science*	3	Social Science*	3
Hygiene 1.....	2	Mathematics 2.....	3
Total.....	16½	Total.....	17½

SECOND YEAR

First Semester	Units	Second Semester	Units
Physical Education 3.....	½	Physical Education 4.....	½
Foreign Language 3.....	3	Foreign Language 4.....	3
Economics 1.....	3	Economics 2.....	3
Economics 14.....	3	Economics 15.....	3
Mathematics 8.....	3	Speech 3	3
Political Science 5.....	2	Economics 11.....	3
Electives	2	Electives	1
Total.....	16½	Total.....	16½

* The student is required to select either History 1-2, or History 3-4, or Political Science 3-4, or Psychology 1-2.

DENTISTRY

The following are the requirements for admission to the first year class of the College of Dentistry, University of Southern California.

in the curriculum leading to the degree of Doctor of Dental Surgery. (D. D. S.)

1. A high school record acceptable for admission to the College of Letters, Arts and Sciences, University of Southern California.

2. A minimum of 30 semester units of college work, with an average scholarship not below C, including (a) the requirements of the Dental Educational Council of America in chemistry, biology, physics* and English, and (b) electives.

The courses which cover fully the subjects prescribed by the Dental Educational Council of America, with the exception of physics, are as follows:

English 1-2, First year Reading and Composition.....	6 units
Chemistry 1-2, General Chemistry.....	10 units
Zoology 1-2, General Zoology.....	8 units

*The requirements in physics may be cancelled and electives substituted if one unit of physics has been taken in high school. If physics has not been taken in high school, the subject may be omitted from the junior college program and taken during the first year in the College of Dentistry. It is not considered advisable for the student to undertake physics in the same year in which he takes laboratory courses in chemistry and zoology. Non-laboratory courses may be taken instead.

Any academic college course may be used as an elective to complete the required 30 semester units, but the pre-dental student is earnestly advised to take one course in mechanical or engineering drawing.

A student who desires to obtain the degree of Bachelor of Science in Dentistry should include in his course either French or German in order to meet the foreign language requirements.

First Semester	Units	Second Semester	Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Zoology 1.....	4	Zoology 2.....	4
Chemistry 1.....	5	Chemistry 2.....	5
Engineering 1.....	3	Electives.....	3
Total.....	15½	Total.....	15½

PRE-ENGINEERING

The following curriculum prepares the student for further work in any of the branches of engineering. However, certain specific courses should be taken by different engineering majors. It is necessary therefore that the individual student's program differs somewhat from the

general type courses set up because of his special interests along certain engineering lines.

This curriculum presupposes the completion of the following subjects in high school:

Plane Geometry	1 unit
Elementary Algebra	1 unit
Algebraic Theory	$\frac{1}{2}$ unit
Trigonometry	$\frac{1}{2}$ unit
Physics	1 unit
Chemistry	1 unit
Geometric Drawing	1 unit

It is further desirable that the student have a knowledge of solid geometry and some training in freehand drawing.

All students in engineering fields must take:

Chemistry 1-2.
Mathematics 3-4, 5-6.
Physics 1-2, 3-4.
Engineering 3, 8.

Students in mining, metallurgical, or petroleum engineering should elect Chemistry 3-4.

Students in petroleum, or sanitary and municipal engineering, must take Chemistry 5-6.

All students in civil and mining engineering should elect Geology 1-2.

A reading knowledge of French and German is not only highly desirable, but essential if a student wishes to pursue advanced work in engineering, or allied scientific fields. For the student taking an engineering major, but not desiring to take work beyond the Bachelor's degree, it is strongly recommended that either French or German be included.

Students who do not follow the above recommendations, or the outline given, cannot expect to complete the lower division requirements of the University of California or the California Institute of Technology, in any time less than three years.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	$\frac{1}{2}$	Physical Education 2.....	$\frac{1}{2}$
Chemistry 1.....	5	Chemistry 2.....	5
Physics 1.....	3	Physics 2.....	3
Mathematics 3.....	3	Mathematics 4.....	3
Engineering 6.....	3	Engineering 7.....	3
Hygiene 1.....	2	Political Science 5.....	2
Total.....	16 $\frac{1}{2}$	Total.....	16 $\frac{1}{2}$

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	$\frac{1}{2}$	Physical Education 4.....	$\frac{1}{2}$
English 1.....	3	English 2.....	3
Physics 3.....	3	Physics 4.....	3
Mathematics 5.....	3	Mathematics 6.....	3
Engineering 3.....	3	Engineering 8.....	2
Electives*.....	4	Electives*.....	5
<hr/>		<hr/>	
Total.....	16 $\frac{1}{2}$	Total.....	16 $\frac{1}{2}$

*The student should be very careful in the choice of his electives, making certain that he chooses courses which will (1) remove any deficiencies in his work and (2) aid him in attaining his ultimate goal in some particular branch of engineering. Such a choice of electives should only be made after consultation with instructors in the engineering field.

JOURNALISM

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	$\frac{1}{2}$	Physical Education 2.....	$\frac{1}{2}$
English 1.....	3	English 2.....	3
Foreign Language*.....	3-5	Foreign Language*.....	3-5
Science.....	4	Science.....	4
Journalism 1.....	2	Journalism 2.....	2
Political Science 5.....	2	Hygiene 1.....	2
Electives.....	0-2	Electives.....	0-2
<hr/>		<hr/>	
Total.....	16 $\frac{1}{2}$	Total.....	16 $\frac{1}{2}$

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	$\frac{1}{2}$	Physical Education 4.....	$\frac{1}{2}$
English 5.....	3	English 6.....	3
Economics 1.....	3	Economics 2.....	3
Foreign Language*.....	0-3	Foreign Language*.....	0-3
Science*.....	3	Science*.....	3
Philosophy 3.....	3	Philosophy 4.....	3
Journalism 61.....	3	Journalism 62.....	3
Electives.....	0-1	Electives.....	0-1
<hr/>		<hr/>	
Total.....	16 $\frac{1}{2}$ -18 $\frac{1}{2}$	Total.....	16 $\frac{1}{2}$ -18 $\frac{1}{2}$

*If the student has taken foreign language or chemistry, or physics in the high school some of the starred courses may be eliminated. 15 units of foreign language and 12 units of science are required for graduation. Each year of work in the high school in these subjects counts as 3 units in the fulfillment of this requirement.

PRE-LEGAL

Students planning to study law should take a general course in Letters and Science or Liberal Arts, and in particular, courses in political science, social science, and English. Those planning on entering Stanford, University of California, or University of Southern California, should satisfy the regular lower division requirements for those schools. The state law requires two years of pre-legal study as a prerequisite to the study of law. However, most of the law schools require three years of pre-legal work. Some schools require an A. B. degree for entrance to the law school. The curriculum presupposes the completion of both chemistry and physics and two years of a foreign language in the high school.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Foreign Language 1.....	5	Foreign Language 2.....	5
History 1.....	3	History 2.....	3
Political Science 3.....	3	Political Science 4.....	3
Electives	2	Hygiene 1.....	2
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Science	3	Science	3
Economics 1.....	3	Economics 2.....	3
Speech 3.....	3	Speech 4.....	3
Foreign Language 3 }	3	Foreign Language 4 }	3
Philosophy 3 }			
Mathematics }			
Political Science 1*.....	3	Law 1.....	3
Electives	1	Electives	1
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

*If the student has NOT completed both chemistry and physics in the high school he should substitute an additional science course for Political Science I.

LIBERAL ARTS AND SCIENCE

The following Liberal Arts courses should serve as a guide to students in making their semester programs. The Liberal Arts course is designed for students who have not yet decided in which field they wish to specialize or for those who may desire a general cultural education embracing many fields of knowledge. It is expected that the individual interests and previous preparation will cause many individual programs to differ somewhat from these suggested courses. However, these suggested programs may well serve as a fundamental basis from which to work. Students following these suggested programs will have completed the requirements for the majority, if not all, of the institutions of higher learning in this state, and most other states of the United States.

In choosing electives, the student should make certain that he elects courses in a department in which he intends to do advanced work. Suggestions for preparatory work for a major in each department are given in the announcement of courses under each subject division.

The student should make certain that he includes in his science courses at least one course in a laboratory science. Practically all colleges and universities demand some science work and the majority demand a laboratory science. The choice of sciences should be made from the science list on page 28.

Algebra and plane geometry are requirements in mathematics which must be met before the student receives upper division rating.

No university credit is given for either high school algebra or plane geometry.

LIBERAL ARTS COURSE A

Liberal Arts Course A is designed primarily for students having neither a science nor a foreign language in the high school.

FIRST YEAR

First Semester	Units	Second Semester	Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Foreign Language 1.....	5	Foreign Language 2.....	5
History 1.....	3	History 2.....	3
Science*.....	4	Science*.....	4
Electives.....	1	Electives.....	1
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Foreign Language 3.....	3	Foreign Language 4.....	3
Science*	3	Science*	3
Mathematics or		Mathematics or	
Philosophy 3.....	3	Philosophy 4.....	3
Political Science 5.....	2	Hygiene 1.....	2
Electives	5	Electives	5
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

*Concerning Science Announcement see page 28.

LIBERAL ARTS COURSE B

Liberal Arts Course B is designed primarily for students who have completed high school chemistry and high school physics but **no** foreign language.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Foreign Language 1.....	5	Foreign Language 2.....	5
Mathematics*	3	Mathematics*	3
History 1	3	History 2	3
Hygiene 1.....	2	Political Science 5.....	2
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Foreign Language 3.....	3	Foreign Language 4.....	3
Science	3	Science	3
Speech 3.....	3	Speech 4.....	3
Economics 1.....	3	Economics 2.....	3
Electives	4	Electives	4
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

*If a student does not desire to register in a year course in mathematics in his first year, he may substitute Philosophy 3-4 in his second year.

LIBERAL ARTS COURSE C

Liberal Arts Course C is designed primarily for students who have completed two years of a foreign language in high school but NEITHER high school chemistry nor physics.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Foreign Language 2.....	5	Foreign Language 3.....	3
Science*	4	Science*	4
Mathematics**	3	Mathematics**	3
Electives	1	Electives	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Foreign Language 4.....	3	Political Science 5.....	2
Science*	3	Science*	3
Speech 3.....	3	Speech 4.....	3
Economics 1.....	3	Economics 2.....	3
Electives	4	Hygiene 1.....	2
		Electives	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

*Concerning Science Announcement see page 28.

**If a student does not desire to register in a year course in mathematics in his first year, he may substitute Philosophy 3-4 in his second year.

LIBERAL ARTS COURSE D

Liberal Arts Course D is designed primarily for students who have completed two years of a foreign language in the high school in addition to high school chemistry and physics.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	1/2	Physical Education 2.....	1/2
English 1.....	3	English 2.....	3
Foreign Language 2.....	5	Foreign Language 3.....	3
History 1.....	3	History 2.....	3
Mathematics**	3	Mathematics**	3
Electives	2	Political Science 5.....	2
		Electives	2
Total.....	16 1/2	Total.....	16 1/2

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	1/2	Physical Education 4.....	1/2
Foreign Language 4.....	3	Hygiene 1	2
Science*	3	Science*	3
Speech 3.....	3	Speech 4.....	3
Economics 1.....	3	Economics 2.....	3
Electives	4	Electives	5
Total.....	16 1/2	Total.....	16 1/2

*Concerning Science Announcement see page 28.

**If a student does not desire to register in a year course in mathematics in his first year, he may substitute Philosophy 3-4 in his second year.

PRE-MEDICAL

The student in the pre-medical curriculum should make sure that his program is so arranged as to satisfy the Junior Certificate requirements at the University of California and also the particular requirements of the Medical School he is planning to attend.

This curriculum presupposes the completion of the following subjects in high school:

English	3 years
History	1 year
Mathematics	3 years
Chemistry	1 year
Physics	1 year
Foreign Language	2 years

The **minimum** requirements for entrance to standard Medical Colleges, as prescribed by the American Medical Association, include the following subjects:

English—Composition and Rhetoric.....	6 units	✓
Physics	8 units	✓
Biology or Zoology.....	8 units	✓
General Chemistry	8 units	✓
Organic Chemistry	4 units	✓
Electives	30 units	✓
Total.....	64 units	510

French and German are common requirements and should be included in the electives if possible. However, some medical schools will admit students without either.

Students should consult the catalog of the college of their choice before arranging their pre-medical work.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
French 1 or German 1.....	5	French 2 or German 2.....	5
Political Science 3.....	3	Political Science 4.....	3
Chemistry 1.....	5	Chemistry 2.....	5
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
French 3 or German 3.....	3	French 4 or German 4.....	3
Zoology 1.....	4	Zoology 2.....	4
Chemistry 5 or		Chemistry 6 or	
Physics 5.....	3-4	Physics 6.....	3-4
Hygiene 1.....	2	Electives	5-6
Electives	3-4		
Total.....	16½	Total.....	16½

MUSIC

The following curriculum will lead to the title of Associate of Arts at the Glendale Junior College. The successful completion of the course will entitle the student to admission in the Teachers College at the University of California at Los Angeles with junior standing.

This outlined program presupposes the completion of two years of foreign language, chemistry, and physics in the high school. Students who have not completed those designated courses in the high school program may find it difficult to include all the basic music courses in their two year program as shown in the music curriculum.

Students who plan to enter the University of Southern California should study the music requirements as outlined in the catalog of that institution.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
French 1 or German 1.....	5	French 2 or German 2.....	5
Music 1.....	2	Music 2.....	2
Music 5.....	3	Music 6.....	3
Music 11, 15, or 21.....	1	Music 12, 16, or 22.....	1
Hygiene 1.....	2	Political Science 5.....	2
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Music 3.....	3	Music 4.....	3
Music 7.....	2	Music 8.....	2
Psychology 1.....	3	Psychology 2.....	3
Year Course:		Year Course:	
Philosophy or	}..... 3	Philosophy or	}..... 3
Mathematics or		Mathematics or	
Foreign Language		Foreign Language	
Science.....	3	Science.....	3
Electives.....	2	Electives.....	2
Total.....	16½	Total.....	16½

NATURAL SCIENCE

The following curriculum is designed to give students interested in the Natural Sciences a background for further work in the geological or biological sciences. This curriculum presupposes the completion of two years of a foreign language, trigonometry, chemistry, and physics in the high school.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Foreign Language 1*.....	5	Foreign Language 2.....	5
Chemistry 1.....	5	Chemistry 2.....	5
Mathematics 3.....	3	Mathematics 4.....	3
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Political Science 3.....	3	Political Science 4.....	3
Zoology 1.....	4	Zoology 2.....	4
Physics 1.....	3	Physics 2.....	3
Geology 1.....	3	Geology 2.....	3
Hygiene 1.....	2	Paleontology 1.....	3
Electives.....	1		
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

*This foreign language course (10 units) must be in a foreign language NOT studied in high school in order to meet the 15 unit requirement.

It is important that the student take at least one year of college work in both chemistry and physics because they are fundamental to all other sciences. Further work in these departments, as also in mathematics, may be desirable but will be determined by the needs of the individual student.

PRE-NURSING

The State Board of Public Health has passed the following resolution:

"An increasing number of applicants to schools of nursing have completed some courses in Junior College;

Nursing Schools are asking approval of credit for pre-nursing and advanced courses of varying lengths;

Graduates of 28-month nursing schools are desirous of securing a three-year diploma in order to register in other states;

The curriculum of the nursing schools is already over-crowded and the number and quality of advanced courses are limited—

Therefore it is advisable that junior colleges and universities be

encouraged to offer a pre-nursing course upon completion of which the student may be able:

1. To continue as a five-year student working toward a combined university degree and nursing diploma.
2. To receive eight months' credit toward a 3-year nursing diploma when the course is followed by a 28 months' course in a school of nursing."

The following curriculum is designed for students who plan to remain at the Junior College for only one year of pre-nursing work.

First Semester		Second Semester	
	Units		Units
Physical Education.....	½	Physical Education.....	½
English 1.....	3	English 2.....	3
Chemistry 41.....	4	Bacteriology 1.....	4
Physiology & Anatomy 1.....	4	Physiology & Anatomy 2.....	4
Social Arts 25.....	3	Social Arts 26.....	3
Hygiene 1.....	2	Psychology 51.....	3
<hr/>		<hr/>	
Total.....	16½	Total.....	17½

The following curriculum is designed for students who plan to remain at the Junior College for two years of pre-nursing work.

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education.....	½	Physical Education.....	½
English 1.....	3	English 2.....	3
Chemistry 41.....	4	Chemistry 42.....	4
Physiology & Anatomy 1.....	4	Physiology & Anatomy 2.....	4
Foreign Language 1.....	5	Foreign Language 2.....	5
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education.....	½	Physical Education.....	½
Economics 1.....	3	Economics 2.....	3
Psychology 1.....	3	Psychology 2.....	3
Social Arts 25.....	3	Social Arts 26.....	3
Hygiene 1.....	2	Bacteriology 1.....	4
Electives.....	5	Political Science 5.....	2
<hr/>		<hr/>	
Total.....	16½	Total.....	15½

PRE-PHARMACY COURSE

A junior college student who plans to undertake the study of pharmacy at the University of Southern California may, by the proper selection of courses in Junior College, secure the equivalent of one year's credit on the four-year course leading to the degree of Bachelor of Science in Pharmacy. In general, however, it will be impossible for the student to complete the remaining three years in six semesters without summer session work, because of difficulties in arranging programs at the University due to the lack of professional pharmacy courses in the junior college.

It is not possible for a junior college student to shorten the three-year pharmacy course at the University of Southern California by junior college work.

The following is a curriculum suggested for prospective pharmacy students:

First Semester	Units	Second Semester	Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Chemistry 1.....	5	Chemistry 2.....	5
Physics 5.....	4	Physics 6.....	4
Social Science.....	3	Social Science.....	3
Electives.....	1	Electives.....	1
Total.....	16½	Total.....	16½

It is possible for a student who has completed the above curriculum to take the State Board examination for Assistants Pharmacists after a summer session and a year of pharmacy at the University of Southern California. The candidate for this examination, however, must have one year of experience in a drug store in order to obtain the assistant's license.

PHYSICAL EDUCATION FOR MEN

Many men students desire to major in physical education with the ultimate goal of athletic coaching. The following course is designed for these students.

FIRST YEAR

First Semester	Units	Second Semester	Units
Physical Education 1.....	½	Physical Education 2.....	½
English 1.....	3	English 2.....	3
Foreign Language 1.....	5	Foreign Language 2.....	5
Chemistry 11.....	4	Chemistry 12.....	4
Speech 3.....	3	Speech 4.....	3
Total.....	15½	Total.....	15½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education 3.....	½	Physical Education 4.....	½
Foreign Language 3.....	3	Foreign Language 4.....	3
Economics 1.....	3	Economics 2.....	3
Psychology 1.....	3	Psychology 2.....	3
Philosophy 3.....	3	Philosophy 4.....	3
Hygiene 1.....	2	Zoology 3.....	3
Political Science 5.....	2	Electives	1
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

PHYSICAL EDUCATION FOR WOMEN

This curriculum is designed for women students who plan to major in physical education at some educational institution of higher learning. It presupposes the completion of two years of foreign language in the high school. Students majoring in physical education should note that they must meet the specific requirements for the Junior Certificate in the College of Letters and Science (Liberal Arts).

FIRST YEAR

First Semester		Second Semester	
	Units		Units
Physical Education	½	Physical Education	½
English 1.....	3	English 2.....	3
Foreign Language 1*.....	5	Foreign Language 2*.....	5
Music 3.....	3	Music 4.....	3
Chemistry 11.....	4	Chemistry 12.....	4
Electives	1	Electives	1
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

SECOND YEAR

First Semester		Second Semester	
	Units		Units
Physical Education	½	Physical Education	½
Philosophy 3.....	3	Philosophy 4.....	3
Psychology 1.....	3	Psychology 2.....	3
Speech 7.....	3	Speech 8.....	3
Social Arts 25.....	3	Zoology 3.....	3
Electives	4	Hygiene 1.....	2
<hr/>		<hr/>	
Total.....	16½	Total.....	16½

*This foreign language course (10 units) must be in a language NOT studied in high school in order to meet the 15 unit requirement.

PRE-TEACHER

Students planning to enter the teaching profession should decide at the earliest possible time:

1. The school level for which they desire to be prepared to teach, such as, kindergarten-primary, elementary, junior high, senior high, junior college, or the university.
2. If they desire to teach in the secondary field, special fields of emphasis should be chosen.
3. The college or university in which they hope to complete their academic training so that programs may be arranged to meet the lower division requirements of that particular college or university. Detailed requirements for each type of credential are given in the catalogs of the various universities. The student should make certain that he study these requirements carefully and follow their instructions.

In the first two years of collegiate work, students must:

1. Meet the lower division requirements of the institution of higher learning which they plan to attend. The requirements of certain colleges and universities in California are listed on pages 27-30.
2. Lay the foundation for advanced work in departments in which they desire to major or minor.

All students who plan on teaching in any type of school or receive any type of credential should enroll in Psychology 1-2 during the second year at the Junior College.

The requirements for the Junior Certificate in the Teachers College at the University of California at Los Angeles are very similar to the requirements for the Junior Certificate in the College of Letters and Science as listed on pages 27-29. The only difference is noted in the (e) requirement. In choosing year courses, the student **must** complete:

1. English 1-2 or Speech 3-4.
2. Psychology 1-2.

For his third year course, he may choose any one of the following:

1. Economics 1-2.
2. Geography 1-2.
3. History 1-2.
4. History 3-4.
5. Political Science 3-4.
6. Philosophy 3-4.
7. Six units of Mathematics.

ANNOUNCEMENT OF COURSES

Many courses are herein described, yet the college makes no pretense of offering all of these courses any one academic year. The offering of a course in many cases depends upon the number of students who desire it. Other courses than those listed may be offered if there is a sufficient number of students desiring any particular course. Diversification of course offerings and enlargement of faculty personnel will be determined by student requirements and growth of the institution.

At the beginning of each semester, the exact courses offered will be announced in supplement form.

The early choice of a major subject or department will aid and facilitate the student in planning his program. Required and recommended courses are listed at the beginning of each subject division. These suggestions are based on the University of California requirements.

FOREWORD

Courses numbered from 1 to 49 inclusive carry university credit. Courses numbered 50 and above do not carry university credit. These courses are accepted, however, by the Glendale Junior College for graduation credit.

In certain cases, instructors may, with permission of the Administration, give non-university credit to students enrolled in university courses. If a student does not attain the required standards as set by the instructor and the university, it is possible for the instructor to give the student a passing grade in a non-university course if the student has made an accomplishment in the course to warrant such a grade. Example: If a student does work of an "F" grade in History 1 (i. e., does not maintain university standards), he may receive a grade of "D" if his achievement warrants it, in a course which would be numbered History 81, which does not carry university credit, but does carry credit towards graduation from Glendale Junior College.

The number of these non-university courses will be comparable to the number of the university courses. In each case, the non-university course number will be the number of the university course plus 80. Examples:

1. English 1 and English 81
2. Economics 10 and Economics 90
3. Chemistry 1 and Chemistry 81
4. Spanish 1 and Spanish 81

ARCHITECTURE**O. Howard Caya, Instructor****1. Instrumental Drawing. (3)**

Training in the manipulation of instruments, application of water color washes and fundamentals prerequisite to work in art, architecture, and engineering. Two units devoted to drawing and one to lettering. Students with matriculation credit in mechanical drawing cannot take this course for credit.

Prerequisite: Plane geometry.

2. Lettering. (1)

Fundamentals of lettering, as used by draughtsmen, both machine and architectural. A necessity for engineers and architects and valuable to any student who wishes to make neat, legible notes, captions or titles.

3. Descriptive Geometry. (3)

An applied science which treats of the graphical representation of lines, planes, surfaces and solids, and is excellent training in visualization. For students in the College of Mechanics, Mining, Civil Engineering and Architecture.

Prerequisite: Architecture 1.

6. Shades and Shadows. (3)

A special application of descriptive geometry including prospective, especially as applied to shadows. Training in the rendering of perspectives with shrubbery and color included. This course is a necessity for architectural students.

Prerequisite: Architecture 1, 3, 9-10.

9-10. Freehand Drawing. (2-2)

Training in the ability to draw objects both in outline and in light and shade. Work indoors on type objects and still life groups and outdoors on building and shrubbery.

Prerequisite: Art 3 is prerequisite for Architecture 10.

11. Pen and Ink. (2)

Training in architectural illustrations. Special emphasis on the rendering of building and shrubbery.

Prerequisite: Architecture 9-10.

ART**O. Howard Caya, Instructor**

Preparation for the Major

Required:

- | | |
|------------|------------------------------|
| 1. Art 1-2 | 4. Architecture 2 |
| 2. Art 3-4 | 5. Zoology 1-2 or Botany 1-2 |
| 3. Art 5-6 | |

1-2. History of Art. (3-3)

A study of art from prehistoric man to the present day. Art 1 includes the time from the Primitive through the Romanesque period. Art 2 includes the period from the Renaissance through Modern.

3-4. Design and Color. (2-2)

A study of space and color relationships and their application. Parallels University of California at Los Angeles Art 2A-2B.

5-6. Freehand Drawing. (2-2)

A study of outlines of objects, their shadows, space relationships and grouping. The study of texture, trees, shrubbery, houses, landscapes, with interpretations in pencil and water color.

Parallels University of California at Los Angeles Art 4A-4B.

7-8. Life—Elementary. (2-2)

Drawing from life to develop the ability to construct the figure. Study of the shapes, proportions, and structural relations of the skeletal masses; the balance of weights and supports in a moving figure. Introductory study of muscle masses.

Prerequisite: Art 3, 5. (May be taken concurrently.)

9-10. Life—Advanced. (2-2)

Drawing from life to develop the ability to use the figure creatively. The first semester stresses a study of anatomy. The second semester develops compositional treatment of the figure.

Prerequisite: Art 7-8.

11-12. Watercolor. (2-2)

Painting of still-life and landscape forms to give the student ability to build simple form in paint, and an opportunity to experiment in the medium of watercolor to develop a technique for use in either commercial or fine arts field. The second semester emphasizes painting composition.

Prerequisite: Art 3, 5. (May be taken concurrently.)

13-14. Costume Design and Illustration. (2-2)

Principles of design applied in creating designs for contemporary costumes. Study and use of historic source material. Stylization of the figure for fashion illustration. The second semester stresses problems of illustration.

Prerequisite: Art 3, 5. (May be taken concurrently.)

15-16. Advanced Costume Design. (2-2)

A course emphasizing costume design for the theater. Study of historic costume. Designing of sets and costumes for the stage. Practical work in collaboration with the drama department.

Prerequisite: Art 13-14.

17-18. Pottery. (2-2)

Practical work in building, firing, glazing, making plaster molds, and casting.

23. Industrial Design. (2)

Practical work in the application of highly conventionalized designs to textiles, leather and clay.

Prerequisite: Art 3-4.

25-26. Advanced Freehand Drawing. (2-2)

A practical course leading to the drawing of cuts and illustrations for newspapers and magazines. Methods of using various media.

Prerequisite: Art 5-6.

34. Landscape. (2)

Study of the outdoor world, with emphasis on form, color and space arrangement. Choice of medium by the student.

Prerequisite: Art 5-6.

35-36. Advertising Art—Elementary. (2-2)

The fundamental letter forms and their structure, spacing and application in advertising art uses. The adaptation of lettering to layouts, package design and posters.

Prerequisite: Art 3, 5. (May be taken concurrently.)

37-38. Advertising Art—Advanced. (2-2)

Advertising art in all its various phases: book jackets, magazine pages and covers, design for industrial uses, billboards, show cards, etc.

Prerequisite: Art 35-36.

39. Composition, Still Life. (2-2)

The organization of various form elements to create rhythm and harmony. Emphasis on originality. Careful studies in black and white, followed by translation into color.

40. Composition, Pictorial. (2)

The use of the human and other animate forms in illustration. Stimulation of the imagination.

Prerequisite: Art 39.

41. Caricaturing. (2)

Expression of emotions, attitudes and characteristics. The use of exaggeration. Planning and drawing the comic strip.

51. Art Appreciation. (3)

Can we enjoy and evaluate art without being artists? What is the "modern" artist trying to express? What constitutes a good color scheme? Who were the great masters in art and why? What is mutual relationship between art and the environment in which it is produced? Why are marble and bronze usually used in statuary? What are the minor arts and why are they so termed? Explanation of the various techniques used in the arts and crafts, such as copper work, leather work, batik, engraving, etching and other reproductive processes.

ASTRONOMY

Ernest W. Hawkes, Instructor

1. Elements of Astronomy. (2)

An introductory, descriptive course in the fundamental facts of our universe, presented as far as possible, in non-technical language. Includes use of telescope, and trip to Planetarium. Lectures, field trips, and constellation study.

AVIATION**51. Fundamentals of Aviation. (2)**

Basic ground course for pilots. A course formulated for those interested in the operation of aircraft, and student pilots preparing for the written examinations for commercial pilots' licenses. It will include the study of aerodynamics; the theory of flight; the principles of airplane construction, maintenance and inspection; air commerce regulations and air traffic rules; aircraft engines; meteorology; and navigation by dead reckoning. No shop work is included.

53. Principles of Airplane Design. (2)

A course formulated to give the fundamentals of airplane design and construction for those desiring to enter the field of aeronautical engineering and airplane construction. It will include a study of aerodynamics and airfoil sections; types of airplanes; wing design and fabrication; fuselage design and fabrication; weight budgeting; control surfaces design and fabrication; and landing gear types. No shop work is included.

BACTERIOLOGY**1. Bacteriology for Nurses. (4)**

Occurrence, classifications, and biochemical activities of bacteria; bacteria of soil, water, and foods; industrial and sanitary applications; disease and immunity; emphasis on pathogenic bacteria. Laboratory work includes routine techniques; identification of species, studies of growth characters of type organisms, and microscopic study of important pathogens. Lecture three hours, one three-hour laboratory period.

Prerequisite: Chemistry 61, and first semester of Physiology and Anatomy 1.

51. General Bacteriology. (4)

An introduction to the study of micro-organisms. What are bacteria? Where are they found? How do we identify bacteria? What techniques are used in studying them? Are all bacteria harmful? How do bacteria aid in fertilizing the soil? How are bacteria important industrially? How should food be preserved to avoid spoilage? What diseases are produced by bacteria? How do we contract a disease? How can we avoid disease? What is immunity? How can we acquire immunity? What can we as a public do to prevent disease? Laboratory work includes routine techniques, identification of species, studies of growth characters of type organisms, and microscopic study of pathogens. Three lectures and one three-hour laboratory period.

Prerequisite: Chemistry 61.

BOTANY**1-2. General Botany. (4-4)**

An introduction to plant life. A study of the structure, functions, and economic importance of the major plant groups. First semester: the morphology and physiology of seed plants; their identification and economic uses; the influence of plant distribution on human geography; variations and heredity and their applications in agriculture and plant propagation. Second semester: comparison of the major plant groups;

the relation of plants to their environment; economic importance in soil formation; plant diseases; identification of trees and of spring wild flowers. Lectures, laboratory work, special topics and field trips. Two lectures, two three-hour laboratory periods.

Prerequisite: High School Chemistry.

51-52. Introduction to Botany. (3-3)

How can we identify the trees and flowers of this vicinity? What plants are adapted to gardens of this region? Why are certain chemicals necessary in the soil? How do plants get their food? How do plants use sunlight? How do fruits form? How do seeds form? What parts of plants do we use as food? How do growers produce new varieties? Why don't seeds always produce plants like the parent? What causes plant diseases. How can they be checked? How are some of the important economic plants grown? Where are they found? What does the Forest Service do for the community? How does government regulation affect our crops and forests? Lectures, demonstrations, laboratory work and field trips. Two lectures and one three-hour laboratory period. Botany 52 may be taken before Botany 51.

61-62. Landscape Design. (3-3)

Fundamental principles of landscape design. The names and ecology of common ornamental plants and the care of gardens will be studied. Students will be given an opportunity to visit many of the homes and estates in Glendale and environs and will be required to design and make planting plans and estimates of costs for some small homes in the community. Some knowledge of drafting, botany and architectural drawing are highly desirable in order to obtain the most effective results.

CHEMISTRY

Charles H. Harrington, Instructor

Park L. Turrill, Instructor

Preparation for the Major

Required:

1. Chemistry 1-2, which must be passed with a grade of C or better before any further work in Chemistry is taken
2. Chemistry 3-4
3. Chemistry 5-6
4. Physics 1-2
5. Mathematics 3-4
6. A comprehensive reading knowledge of French or German.

Recommended:

1. Physics 3-4

2. Mathematics 5-6
3. French 1-2

For those planning to transfer to the California Institute of Technology advanced shop work and mechanical drawing (Engineering 1-2) are required. For chemical engineers Engineering 3, 6-7 are recommended. The above recommendations follow those given by the College of Chemistry, University of California.

Advanced Standing:

All sophomores from other institutions who desire courses in chemistry more advanced than Chemistry 1-2 must present themselves to the chemistry instructor on or before the date of their registration for an informal examination, or test of their fitness to undertake such work.

1-2. General Chemistry. (5-5)

A course in fundamental chemistry designed to set forth the most important facts and theories with which chemistry is concerned. Basic laws are stressed. (This course is prerequisite to Chemistry 3-4-5-6.) Three hours lecture, six hours laboratory each week.

Prerequisites: High school chemistry, physics and trigonometry, or any two of these three subjects, or high school chemistry with a grade of "B" or better.

Parallels University of California Chemistry 1A-1B.

3-4. Quantitative Analysis. (3-3)

The principles and methods of quantitative chemistry. Large numbers of illustrative problems are solved. Applications to industrial chemical analysis are studied. Chemistry 3-4 should be elected by (a) all students majoring in Chemistry, Physics, Pharmacy, Mining Engineering, Metallurgical or Petroleum Engineering; (b) Pre-medical students. One hour lecture, six hours laboratory each week.

Prerequisite: Chemistry 1-2 with a grade of "C" or better.

Parallels University of California Chemistry 6A-6B.

5-6. Organic Chemistry. (3-3)

Lectures, recitations, laboratory work and problems in an introductory study of the compounds of carbon. For Chemistry 5, two hours lecture and four hours laboratory per week; for Chemistry 6, one hour lecture and six hours laboratory per week. Chemistry 5-6 should be taken by all students majoring in Chemistry, Petroleum Engineering, Sanitary and Municipal Engineering, Pharmacy, or Pre-Medicine.

Prerequisite: Chemistry 1-2 with a grade of "C" or better.

Parallels University of California Chemistry 8-9 if both semesters are taken.

11-12. Elements of Chemistry. (4-4)

An intermediate course in fundamental college chemistry, in which the descriptive phases are emphasized. This subject should be elected by all physical education and home economics majors, and by those desiring a cultural knowledge of scientific matters. Chemistry 11-12 can be taken in partial fulfillment of the science requirements for the Junior Certificate at the University of California. Three hours lecture and recitation and a three hour laboratory period each week.

Prerequisite: Elementary algebra and plane geometry.

Parallels University of California at Los Angeles Chemistry 2A-2B.

15-16. Organic, Medical and Food Chemistry. (3-3)

A course of instruction in the chemistry of carbohydrates, fats, proteins, body tissues, body secretions, medical and pharmaceutical products. Blood and urine analysis. Designed particularly for students looking forward to nursing or pharmacy, or becoming a doctor's laboratory assistant. Recommended for home economics majors. Two laboratory periods of three hours each, one lecture per week.

Prerequisite: Chemistry 1-2 or 11-12.

Parallels University of California at Los Angeles Chemistry 10 for 4 units and includes also 2 units of instruction in medical and clinical chemistry.

41-42. Chemistry for Nurses. (4-4)

A foundation course in chemistry in which sufficient fundamentals are stressed to furnish a basic course for those students enrolled in the Curriculum for Nurses. Three lectures per week and one three-hour laboratory period.

Prerequisite: Elementary algebra and plane geometry.

51. Chemical Principles. (3)

A survey of fundamental science and scientific principles, with applications to chemistry. This course is particularly designed for those students, who, in increasingly large numbers, pursue a study of fundamental science as an element of general culture rather than as a part of their professional or technical training. It seeks the answers to many questions, among which are: What is the aim and method of science? When was the "Dawn of Chemistry"? What are the fundamental laws that govern matter; how are we dependent upon them, and how may they be employed in the service of mankind? What peculiar properties of metals and alloys, sulfur, salts of sodium and potassium, compounds of nitrogen, silica, clay, lime and glass, and organic compounds render them applicable in the arts?

90-91. Shop Work and Instrument Making. (1-1)

A one unit course each semester consisting of laboratory work in designing and constructing apparatus for lecture demonstrations and use in connection with Chemistry 1-2, 3-4, 5-6, and 15-16. Credit will count towards graduation only. Registration in this course by permission of instructor in charge. Three hours per week.

COMMERCE

Dorothy Esther Klotz, Instructor
Florenze K. Mane, Instructor
Gwen Miller, Instructor
D'Alton B. Myers, Instructor
Loyd S. Noble, Instructor

Curricula in Commerce and Business Courses are listed on pages 33-34 for students majoring in Commerce.

The lower division requirements for the College of Commerce at the University of California are listed on pages 43-44 and for College of Business Administration at the University of California at Los Angeles are listed on pages 45-46.

50. Typing for Personal Use. (1)

An introductory course in typewriting for academic and other students not enrolled in Commerce. It is the aim to develop sufficient skill in typewriting to meet the needs of the student who has a minimum of time to devote to this subject. All work is done in class—no assignments. **Not open to students of Commerce.** Three class periods a week.

51. Beginning Typing. (3)

An introduction to typewriting designed especially for the student of Commerce. This is the foundation course for practical use in business. Registration open to all students. Five class periods a week.

52. Intermediate Typing. (3)

An intensive course in typewriting. A foundation course for practical use in the business world with emphasis on accuracy in both speed and business forms, such as business letters, legal forms, rough drafts, and tabulation work. Five class periods a week.

Prerequisite: One year of high school typing or Commerce 51.

51-A. Advanced Typing. (2)

Third semester typewriting. Emphasis is placed on speed and accuracy in doing professional work. A complete review of business

letters and business forms. Three class periods a week.

Prerequisite: One and a half years or more of high school type-writing or Commerce 51-52.

51-B. Advanced Typing. (1)

Fourth semester typing. The work will be mainly individual, arranged according to the needs of the student. Admission only by consent of the instructor.

53-54. Shorthand. (4-4)

Theory, dictation, transcription. An intensive course in Gregg shorthand. Fundamentals of Gregg shorthand are mastered; emphasis is placed on correct writing technique, principles, and phrase-writing. This course is designed to train stenographers to meet the demands of the business world. Seven hours a week.

Prerequisite: Commerce 53: None.

Commerce 54: One year of high school shorthand or Commerce 53.

53 A, B, C, D. Advanced Shorthand. (3-3-3-3)

A thorough review of the manual with emphasis placed on shortcuts and phrase-writing. Individual work in speed. Five hours per week.

Prerequisite: Commerce 53-54, or 100 word certificate from Gregg, or permission of the instructor.

55-56. Office Practice. (4-4)

An intensive course devoted to the study of secretarial practice, office methods, and procedure. Consideration is to be given to the alphabetic, geographic, subject and numeric systems of filing. It is the purpose of this course to familiarize the student with the use of the various machines commonly found in the modern business office, such as the Comptometer, the Mimeograph, the Ditto, the Monroe Calculator, and the Dictaphone. Business etiquette and ethics will also be a part of the course. The second semester students are given the opportunity to work in business offices for practical office training. Five class periods a week. Students may enroll in this course as beginning students either semester.

57. English for Business. (3)

This course is designed to help students overcome deficiencies in grammar, punctuation, spelling, and diction, which hinder students entering the business world in transcribing correctly and express their thoughts effectively and concisely.

58. Writing in Business. (3)

A careful study of the business letter and the business report. The student will receive instruction and individual supervision in writing the following type letters: application, order, adjustment, sales, credit, and collections. The problems of direct mail advertising and selling will be studied.

Prerequisite: Commerce 57 with a grade of "C."

59. Readings in Business. (3)

A survey of fiction and non-fiction of special interest to students of commerce and business. Special emphasis will be given to biographies of successful business men, and to histories of businesses. Lectures, oral and written reports.

60. Business Mathematics. (2)

An intensive course in arithmetic needed for a successful career in business. Special consideration will be given the following: Commercial Discounts, Interest, Bank Discount, Partial Payments, Property Taxes, Inheritance Taxes, Pay Rolls, Perpetual Inventory, Building and Loan Associations, etc.

61-62. Bookkeeping and Accounting. (4-4)

The equation of modern accounts; theory of debit and credit; classification of accounts; procedure of recording transactions in modern accounting devices; preparation of balance sheets and profit and loss statements.

67. Law for the Layman. (3)

Emphasis is placed on legal problems that every one should know. The course includes courts, trials, marriage and divorce, community property, wills, trusts, succession, mortgages, trust deeds, conditional sales contracts, partnerships, corporations, contracts, sales and agency.

68-69. Business Law. (3-3)

A practical course in the principles of law that affect the business relations of persons, including contracts, sales, agency and insurance. Special emphasis is placed on the study of laws of California that a person should know in order to take care of his everyday business affairs. A study of negotiable instruments, partnerships, corporations, securityship, real property and wills.

71. Store Management and Merchandising. (2)

A course for the young man or woman interested in retailing. Special emphasis is placed on the problems of the independent merchant in meeting existing and probable competition. Store location, organization, and lay-out. Budgeting, stock control, pricing, and

mark-up systems. Class discussions, individual projects, collateral readings, and reports.

75. Selling and Advertising. (2)

A basic course in the selling and advertising practices of retailers. Special emphasis is placed on the problems of the independent merchant. How to meet and handle customers. Methods of customer control. Training and improving of salesmen. Advertising: planning the program and measuring the results. Co-ordinating retail advertising and selling. Class discussions, individual projects, class projects, collateral readings, and reports.

81-82. Theory and Problems of Marketing. (3-3)

An intensive study of how goods and services are marketed and sold. Special attention is given to the subjects of merchandising, sales-management, advertising, salesmanship, foreign trade, and marketing statistics. The methods and procedures of successful businesses, both large and small, are studied. Visits are made to large industrial plants.

Prerequisite: Economics 14 or Commerce 61 or consent of instructor.

90. Money and Banking. (2)

A course for the young man or woman interested in investment banking, commercial banking, the stock exchange, and the stock exchange business. A survey of the financial institutions of the United States and of the financial and monetary policies of the federal government. Lectures, class discussions, problems, and reports.

95. Investments. (2)

A systematic study of the buying and selling of stocks and bonds from the point of view of the individual investor. New York Stock Exchange, brokerage companies, financial counseling services, Dow Jones indices and reports. Lectures, class discussion, and projects.

ECONOMICS

John E. Kienle, Instructor
Loyd S. Noble, Instructor
Anne H. Rambo, Instructor
Donald V. Spagnoli, Instructor

Preparation for the Major

Required:

1. Economics 1-2
2. At least one of the following year courses:
History 1-2
History 3-4

Political Science 1-2
Philosophy 3-4
Geography 1-2
Psychology 1-2

Recommended:

1. A reading knowledge of French and German.
2. Additional social science courses.
3. Economics 10 or 11.
4. Economics 14-15.

Economics 1-2 is prerequisite to all upper division work in the departments of economics at all the institutions of higher learning in the state.

The lower division requirements for the College of Commerce at the University of California are listed on pages 43-44.

1-2. Principles of Economics. (3-3)

An introductory course dealing with fundamental principles of economics, value, price, wealth, wages, population, and social welfare. An attempt is made to give the student an approach to the economic problems of the day with an intelligent appreciation of the factors which make for sound public policy.

Prerequisite: Sophomore standing.

Parallels University of California Economics 1A-1B.

10. Economic History of Europe. (3)

A critical survey of the economic history of Europe from the earliest historical times to the present. Stresses economic and social movements and developments, such as Manorism, the Guilds, the Industrial Revolution, the development of cotton and wool industries, the mercantile system, water commerce, and trusts. Emphasis is placed upon the growth and development of English industry.

11. Economic History of the United States. (3)

Economic and social history of the United States from its settlement to the present day. Emphasizes geographical, climatic and economic factors in the development of institutions and organizations. Stress is laid on imperialism and its effects upon world markets; changes occasioned by the factory system, mass production; and the problems of labor. Internal conditions since 1918 are studied intensively.

Parallels University of California at Los Angeles History 46.

14-15. Elements of Accounting. (3-3)

The equation of modern accounts; theory of debit and credit; classification of accounts; procedure of recording transactions in modern accounting devices; preparation of balance sheets and profit and loss statements.

Parallels University of California Economics 60A-60B.

51. Introduction to Economics. (3)

What are the present day major economic problems? How does the farmer, the factory owner, the wage earner, the consumer attempt to solve his economic problems? How are goods priced? What causes prices to change? What are the reasons for competition? Cooperation? Governmental control? What plans for economic security have been tried?

61. Social and Economic Survey of the United States. (3)

Do you want to further understand the conditions and problems of your own United States? How wealthy is the United States? How is this wealth distributed? As a laborer, what will be your chances to get a job when you conclude your formal education? What are the new fields developing in industry? In transportation? In communication? What is Labor's future?

What is imperialism? Into which countries has imperialism carried the American Flag? To what extent? Will the United States of America be able to maintain her economic and intellectual domination? Should the economic policy of laissez-faire be abandoned? What causes wars? What causes depressions? What can be done to make your country the richest nation in the world, a better place, economically and socially, in which to live?

Lectures, readings and discussions. Open to all students without prerequisite.

ENGINEERING

O. Howard Caya, Instructor

C. Leslie Nichols, Instructor

Preparation for the Major

Required:

1. Engineering 6, 7, 8
2. Mathematics 2, 3, 4, 5, 6
3. Physics 1, 2, 3, 4
4. Chemistry 1, 2

Recommended:

1. Mathematics 8.
2. Engineering 2, 3
3. Geology 1

1. Instrumental Drawing. (3)

A course which gives training in the manipulation of instruments and fundamentals prerequisite to work in engineering. Students with matriculation credit in mechanical drawing cannot take this course for credit. Six hours weekly.

Prerequisite: Plane geometry.

2. Machine Drawing. (3)

Design and delineation of simple machine parts in the drafting room, with special emphasis upon the production of drawings which conform with standard practice. Six hours per week.

Prerequisite: **Engineering 1 or its equivalent.**

Parallels University of California Mechanical Engineering 6.

3. Descriptive Geometry. (3)

An applied science, which treats of the graphic representation of lines, planes, surfaces and solids, and is excellent training in visualization. For students in the College of Mechanics, Mining, and Civil Engineering. Six hours weekly.

Prerequisite: Engineering 1.

6. Plane Surveying. (3)

A course in the fundamentals of surveying for all students of engineering. The measurement of distances by pacing, chaining and the stadia; the use of the Brunton Transit in compass traverses; the computation of area by coordinates; the use and adjustment of Wye and Dumpy levels in differential leveling, level circuits and cross sectioning; **the adjustment of the transit and its use in the measurement of angles in vertical and horizontal planes; prolonging lines and the transit traverse.** The computation of notes for the staking out of simple curves.

Prerequisite: Plane trigonometry and instrumental drawing.

Parallels University of California Civil Engineering 1A.

7. Plane Surveying. (3)

A continuation of Engineering 6. The principles of the stadia as used in the transit and plane table. The stadia triangulation for "control" of topographical surveys. Topographic mapping with the transit and plane table. Observations on Polaris for latitude and "meridian" with the transit and sextant. Solar observations for latitude and azimuth. The use of the Solar Ephemeris in surveying and navigation.

Prerequisite: Engineering 6.

Parallels University of California Civil Engineering 1B.

8. Materials of Construction. (2)

A study of the structural properties, behavior and adaptability of metals and various building materials.

Parallels University of California Civil Engineering 8.

56. Plane Surveying. (3)

An elementary course in plane surveying for students desiring a practical course in this phase of engineering. The measurement of distances by pacing, chaining, and the use of the compass or Brunton

Transit in compass surveys; the use and adjustment of instruments including Wye and Dumpy levels, transits, plane tables, sextants, planimeters and drafting machines. The measurement of angles in vertical and horizontal planes and the computations for the closing of traverses.

57. Plane Surveying. (3)

Methods of mapping topography using level and transit. Estimating quantities, computing notes for vertical, simple, and compound curves. Observations on Polaris for latitude and the true meridian with the sextant and transit and the use of the Solar Ephemeris and Polaris tables.

60. Slide Rule and Computation. (1)

Lectures and instruction in the use of the slide rule. The circular type, Mannheim, Log-log, log-log trigonometric and stadia slide rules will be explained and used in computation. Estimating, checking and solving problems in computation will be required of the student.

61. Graphic Analysis. (2)

An elementary drawing course accompanied by lectures on the resolution of forces and velocities; the use of graphic methods in the analysis of stresses in simple trusses. One hour lecture, four hours laboratory each week.

64. Drafting. (3)

A course in more advanced drawing for technical students in varied fields such as engineering, architecture or aviation. The work will be adapted as far as possible to the requirements of the individual student.

ENGLISH

Gerald Nathan Allen, Instructor

Mary Jane Collins, Instructor

May E. Murphy, Instructor

Derrill Place, Instructor

Preparation for the Major

Required:

1. English 1-2 (with an average grade of C).
2. English 5-6.

Recommended:

1. One ancient and one modern foreign language in high school.
2. Continuation of above in Junior College.
3. Philosophy 3-4.

1-2. Freshman English. (3-3)

A foundation course in composition and in reading, intended to give methods and procedure for further college study. Both the reading and the composition work of the first semester are concerned with exposition, giving particular attention to unity of subject matter, clarity of expression, and precision in diction. Regular written composition is required, in the form of the one paragraph theme, with emphasis upon criticism and revision for more forceful expression. During the second semester the short story, the essay, and the research paper are studied as to purpose and technique of structure, the aim being to stimulate appreciation for creative writing and to develop a skill in preparing the research paper. Book reports are required in both English 1 and English 2 with the intention of acquainting the student with the various forms in which prose literature is produced.

Prerequisite: Passing grade in the Subject A Examination.

Parallels University of California English 1A-1B.

5-6. Survey of English Literature. (3-3)

The survey course covering the entire field of English literature from the Beowulf to the end of the nineteenth century. Required of all students whose major subject is English and open to all sophomores who have completed English 1-2.

The aim of the course is to familiarize students with the movements, names, dates, and facts which have been significant in the development of English literature and to provide a sound basis for further and more specialized study in British poetry and prose. One hour weekly is devoted to a discussion of the historical and biographical background; two hours weekly are spent in interpretation of important writings. A program of required collateral reading including important plays and novels reinforces the class work.

Prerequisite: English 1-2.

Parallels University of California English 56A-56B.

7. The Modern Novel. (2)

An elective course designed to further the knowledge and appreciation of the works of the best modern novelists, and to develop an understanding of the novel as an art form which is an interpreter of the thought and philosophy of the day. A brief historical survey of the novel in English literature is made as preliminary to the main work of the course. Consideration of the student's previous acquaintance with outstanding novels, and of leading references and critical works connected with the novel is made before selecting readings appropriate to the needs and interests of the class. Readings are accompanied by oral and written reports, class discussions, and lectures.

Prerequisite: English 1-2.

8. The Modern Drama. (2)

A study of modern plays and playwrights. Representative works of European and American dramatists read with special attention to portrayal of character and sociological problems. Readings, reports, discussions.

10. Shakespeare. (2)

A course designed to provide the student with a comprehensive acquaintance with the plays of Shakespeare. About fifteen dramas are assigned for rapid reading. Lectures on the background of the plays are given; class discussions follow the reading assigned.

12. Modern Poetry. (2)

An elective course designed for students who are interested in poetry or those who wish to increase their knowledge and appreciation of poetry. Extensive readings of the work of the chief English and American poets since 1890, and of the work of literary persons and current publications concerned with modern poetry constitute the main work of the class. The plan of the course, primarily to further literary appreciation, is informal and flexible, and is readily adapted to interested students of various reading backgrounds. It aims to provide opportunity, if desired, for students to attempt verse-making, and to increase the understanding of modern poetry as an art which is interpreter of thought and philosophy of the time.

Prerequisite: English 1-2.

50. Mechanics of Writing. (2)

Do you know when to say **don't** and when to say **doesn't**? Do you know when to write **there** and when to write **their**? Are you sure when to say **he** and when to say **him**? When is it useful to begin a sentence with **And**? What abbreviations are permitted in writing? Do the commas and the semicolons which you use help your reader to understand you? To do your required reading, do you need to learn more words? Do the ideas which you write say what you mean?

Drills, discussions, reading, and writing. Open to all students without prerequisite. Recommended for everyone failing the Subject A Examination.

51-52. Language and Life. (3-3)

When you talk, do you gossip or do you converse? How much of what we read in the newspapers should we believe? How many of the questions that children ask should adults answer? What is left in the world for the younger generation to do? What is meant by "movie-made" people? What makes a good radio program good? What are

the duties of a chairman of a committee? Are you qualified for your chosen vocation? What can we learn about America from popular books?

Reading, discussions, reports.

57. The Modern Novel. (2)

An introduction to the understanding of the modern novel. What value is a comprehensive reading background to you in your reading of your modern novel today? Is yours suitable and adequate? Do you believe you understand human nature better and are more able to cope with the existing problems in the world because of your reading? Do you feel that a book is your friend and the modern novel a challenge? Do you wish to achieve a better understanding and knowledge of the modern novel and gain an historical perspective by acquaintance with the novels of the past?

Lectures, discussion, oral and written reports comprise the classroom activities.

58. The Modern Drama. (2)

An introduction to the study of contemporary drama. How have the plays produced in Europe during the last half-century affected American drama? In what respects have the Russian plays of the last twenty-five years influenced productions on the American stage? What has been the importance of Ibsen? What significance should be attached to the names of Pirandello and Pinero? How do the plays of Eugene O'Neill compare to those of European dramatists? Who are the most important writers of American drama today? Lectures and readings of eighteen plays.

63. Introduction to World Literature. (2)

What is literature? In what forms has literature been written? Have the various countries of the world produced the same kinds of literature? What literature written before the time of Christ gives us knowledge of past civilizations? What literature has inspired the composition of well-known music? Is there any relationship between the social conditions of a people and the kinds of literature that they produce? What literature has helped the growth of democracy in the world? Reading, discussions, lectures.

64. Modern American Literature. (2)

How do the writings of Americans of the last half-century reflect changing conditions of life in the United States? In which respects may the novels, short-stories, biographies, essays, poetry, written in our day be useful in determining how and why these changes have come about? How have the writings of foreign authors influenced

American literature? To what extent have we succeeded in developing a "national literature"?

What standards can one apply to contemporary literature? How can one learn to distinguish between writing that may be permanently valuable from that which is of temporary interest only? Readings, lectures, reports.

66. Modern Periodical Literature. (2)

A survey of the entire magazine field. Are you interested in modern magazines? Do you know what is going on in the world today? What are the subjects of vital interest about which every American student should know something? In which magazines may a student find these subjects discussed accurately and well? Who are the best writers of today? To which magazines do they contribute? Would you like to become introduced to the modern writers and thinkers and become acquainted with the best in periodical literature? Oral and written reports, discussions, and lectures.

68. Independent Reading. (2)

A course for students who like to read. Do you enjoy reading but believe you do not have the time for it? Would you like to know more about all types of literature—poetry, fiction, biography, and travel? Readings, discussions, lectures, oral and written reports.

FRENCH

Marguerite V. Fox, Instructor
W. C. D. Kerr, Instructor

Preparation for the Major

Required:

1. 16 units of lower division French.
2. A minor in Spanish, German, English, or History, best supplements the work of the major subject.

Recommended:

1. One year or two years of Latin.
2. English 1-2.
3. History 1-2.
4. Philosophy—introductory course.
5. Another language (10 units).

1. Elementary French. (5)

Training and pronunciation with stress on smoothness and proper intonation. Essentials of grammar, conversation, and composition. Reading of elementary prose and some stress placed on French char-

acter and customs. May **not** be taken for credit by students who have had two years of high school French. Students who have had **one** year of high school French receive only 2 units of college credit.

Parallels University of California at Los Angeles French A.

2. Elementary French. (5)

Continuation of French 1. Stress on correct use of verbs in conversation and writing, and accuracy of grammatical detail. Elementary syntax completed. Reading of intermediate texts and the reproduction of simple French.

Prerequisite: French 1 or two years of high school French.

Parallels University of California at Los Angeles French B.

3. Intermediate French. (3)

Thorough review of grammar, composition, translation, and reading. Oral and written resumes to develop fluency and accuracy in idiomatic usage.

Prerequisite: French 2 or three years of high school French.

Parallels University of California at Los Angeles French C.

4. Intermediate French. (3)

Continuation of French 3. Reading of more difficult material representative of the best in French thought. Free written composition and conversation.

Prerequisite: French 3 or four years of high school French.

Parallels University of California at Los Angeles French D.

51. French Culture and Civilization. (3)

How does the French family train its children? What are the essential differences among social classes? How does a French peasant differ from an American farmer? Why is mass production difficult in France? What kind of education is provided for peasants, workers, and artists? How did the Revolution change the life of the people? Do Communists and Fascists have any influence in the present government? How much does propaganda control the thinking of the people? What French writers have contributed to world ideas on government, education, and social organization? How have the French contributed to art and its application in daily life? Readings, lectures, discussions, and reports.

51A. French Culture and Civilization. (2)

French 51 is organized into units of work. For this reason it is possible for students to enter the regular three unit course in French Culture and Civilization at the end of the first grade report period. The class meets three times per week for the remainder of the semester and carries two units of credit.

52. Conversational French. (3)

What are the sounds of the foreign language? How are they made? What simple words and sentences are used everyday? How are passports obtained? What is the best arrangement for travel by steamer, by train, by automobile? What theaters should one attend, and what other foreign pleasures are there? Where does one stay? How does one order a meal? These things and a hundred other foreign things are talked about in simple words.

GEOGRAPHY

D'Alton B. Myers, Instructor
Loyd S. Noble, Instructor

Required:

1. Geography 1-2.
2. Geology 1-2.

Recommended:

1. Botany 1-2.

1. Elements of Geography. (3)

A development of the underlying principles of human geography through a study of the main features of the physical environment in their relationship to man's life and activities, particularly as exemplified in type regions; varied map study.

Parallels University of California Geography 1.

2. Regional Geography. (3)

Natural divisions of the world and their utilization under different cultural systems. Systematic regional map studies.

Prerequisite: Geography 1.

Parallels University of California Geography 2.

51. World Geography. (3)

Principles of geography and regional studies. Do your interests extend beyond the locality in which you live? Do you read and hear about peoples, products, governments, wars, customs and natural phenomena of far off places? Do you know where those places are and what they are like? Earth relations, climates, maps and effect of earth features and other natural phenomena on forms of life all over the world are studied.

55. Economic Geography. (3)

Survey of the world's resources, industries, and trade routes. What countries are leading iron and steel producers? How does steel contribute to America's problems of the wheat farmers, the cotton farmers, and the corn farmers? What are the foreign-trade opportunities in

Southern California? What are Southern California's leading industries? What vocational opportunities do they offer Junior College students? Lectures, discussions, motion pictures, and trips to important industrial plants.

GEOLOGY

Clement D. Meserve, Instructor

Preparation for the Major

Required:

1. Chemistry 1-2.
2. Physics 5-6.
3. Engineering 6-7.
4. Geology 1-2.
5. Mathematics 2.
6. Paleontology 1.

Recommended:

1. A reading knowledge of both French and German.
2. Chemistry 3-4 for students going into petrological, mineralogical, or economic lines.
3. Art 5.

1. Physical Geology. (3)

Dynamic and Structural Geology. A general study of the earth, its materials, structures, and the processes, internal and external, which have aided in determining its present form, and are still at work. Three lectures per week, and three or more half day field trips.

Recommended prerequisite: One year of high school physics or chemistry or the equivalent.

Parallels University of California Geology 1A.

2. Historical Geology. (3)

Historical. A general study of the origin of the earth, its geological history, sequence of formations, and types of life represented in each period. Three lectures per week and three half day field trips.

Prerequisite: Geology 1.

Parallels University of California Geology 1B.

51-52. Earth Science. (3-3)

What are the practical aspects of geology? How are the chief kinds of rocks and minerals identified? How are topographic maps read? What causes floods and how may they be controlled? How does a volcano work? What should be done to prevent earthquake disasters? How do geologists find new oil fields? What makes an ore deposit? What jobs require a knowledge of geology?

What are the most probable theories on the origin of the earth and of life? How do geologists study the past? How does organic evolution work? What changes have taken place on the earth? When and where have the great commercial mineral and oil resources been deposited? What are some of the great groups of animals that have lived in the geologic past? Why did they become extinct?

61. Determinative Mineralogy. (3)

An elementary study of mineralogy intended to acquaint the student with some of the more important minerals which are found in rocks and which are used in industry. What properties are used in studying minerals? Where do they occur? How are the metals extracted from the minerals? How is modern civilization dependent on mineral products? What are some of the practical applications of mineralogy? Two lectures and one 3 hour laboratory period per week.

GERMAN

Herman H. Wiebe, Instructor

Preparation for the Major

Required:

1. 16 units of low division German.
2. A minor in French, Spanish, English, or History, best supplements the work of the major subjects.

Recommended:

1. English 1-2.
2. History 1-2.
3. Philosophy—introductory course.
4. Another language (10 units).

1. Elementary German. (5)

Training in accurate pronunciation through daily drill; elementary grammar and sentence structure. Reading and reproduction of simple graded prose. This course may **not** be taken **for credit** by students who have had two years of high school German. Students who have had **one** year of high school German receive only 2 units of college credit.

Parallels University of California at Los Angeles German A.

2. Elementary German. (5)

Continuation of German I. Completion of elementary grammar essentials. Reading and interpretation of prose of increasing difficulty. Conversation, diction, composition. Some knowledge of German tradi-

tion and character in folk-lore; essential geographical and historical data concerning German peoples stressed.

Prerequisite: German 1 or two years of high school German.

Parallels University of California at Los Angeles German B.

3. Intermediate German. (3)

Review of elementary grammar and an advanced study of syntax, idioms, and sentence structure with formal composition. Word analysis. Intensive reading of modern prose, with rapid reading of simple stories or plays.

Prerequisite: German 2 or three years of high school German.

Parallels University of California at Los Angeles German C.

4. Intermediate German. (3)

Continuation of German 3. Reading and interpretation of more difficult prose. Increasing stress on conversation and free composition.

Prerequisite: German 3 or four years of high school German.

Parallels University of California at Los Angeles German D.

51. German Culture and Civilization. (3)

What are some peculiarly characteristic German traits? How have they been preserved among other races? Why is the German a good scientist? How is Germanic psychology and philosophy reflected in American history and government? Where are Germany's industrial centers located? What is characteristic about the castles along the Rhine? How does Gothic architecture differ from other types? Where is the old Germanic culture best preserved?

51A. German Culture and Civilization. (2)

German 51 is organized into units of work. For this reason it is possible for students to enter the regular three unit course in German Culture and Civilization at the end of the first grade report period. The class meets three times per week for the remainder of the semester and carries two units of credit.

52. Conversational German. (3)

Tour Germany as you learn to speak German. Do you know that many German words are similar to English? How should one prepare for the trip? Passports? On board ship? At which port does your boat dock? How shall we travel in Germany? What is the life of the country? Of the city? Where can we catch the spirit of German music, art, and literature? These things and a hundred other foreign things are talked about in simple words.

HISTORY

John E. Kienle, Instructor

Anne H. Rambo, Instructor

Donald V. Spagnoli, Instructor

Preparation for the Major

Required:

1. History 1-2.
2. Economics 1-2 or
3. Geography 1-2.

Recommended:

1. Political Science 1-2.
2. All students who intend to take upper division courses in history are advised to acquire a reading knowledge of at least one of the following languages before they reach their junior year: French, German, Italian, Latin, Spanish.

Introductory Courses

History 1-2 is open to freshmen and sophomores. History 3-4 is designed for sophomores and is not open to freshmen. All other courses are open to freshmen and sophomores.

All courses are organized to give supplementary instruction in historical geography, map work, bibliography, the use of the library, and methods of historical study.

1-2. History of Western Europe. (3-3)

The growth of western European civilization from the decline of the Roman empire to the present time. An introduction to the study of history, giving a general perspective of the development of those political, economic and social institutions which explain our present day civilization.

Parallels University of California History 4A-4B.

3-4. History of the Americas. (3-3)

A general survey of the history of the western hemisphere from the discovery to the present time. The planting of European civilization in the western hemisphere, the growth of the colonies of the different nations, colonial systems, the international contest for the continents, the wars of independence in English-America and Hispanic-America, the development of independent American Republics, their relations with each other and with the rest of the world.

Parallels University of California History 8A-8B.

7-8. Survey of Man's Social and Economic Developments. (3-3)

The world in which we live today explained through the study of the progress of civilization. Emphasis placed upon the economic and social experiments attempted and their effects upon our present social, economic, and political organizations.

Two periods per week devoted to lecture and discussion on past history; one period to current history with emphasis upon the relationship between past and present events.

12. Pacific Coast History. (2)

A survey of the political, economic and cultural phases of the history of Mexico, California, Oregon, Washington, and Alaska and their present day relations to the world, particular emphasis being placed on relations with the Orient.

Parallels University of California at Los Angeles History 39.

51-52. Social and Economic Aspects of Civilization. (3-3)

Would you like to know more of the world in which you live today? What has the western world contributed to civilization? What have been the effects of imperialism? What are the conditions produced by the industrial revolution? What are the causes of wars? What will cause future wars? For what is Spain fighting? Will Germany and Italy continue to extend their Fascist state? What is bringing about the decline of the British Empire?

What is the philosophy of India? Of China? Of Japan? What problems face industrialized Japan? What hold has she in South America? What are her relations with the United States? Will Russia or Japan control China? What is the future of Communism in the world? What can be done to improve world conditions for the benefit of all mankind?

62. Contemporary Problems of the Pacific Ocean. (2)

Would you like to know something of the history and future of the countries facing the Pacific Ocean? Who settled Mexico and California? How did the United States get control of her portion? Why have the Japanese and Chinese been excluded from the United States? Is Japan getting a foothold in Mexico? How does Canada handle her Oriental problem?

What is the future of the Philippines? Will they get their independence? What are the possible results of independence? How important is Hawaii? Will the Chinese trade increase? How far east will Russia come? Who will dominate the trade of the Pacific? What can be done to foster friendly relations among all nations on the Pacific?

63. Contemporary Latin America. (2)

Do you want to know about your next door neighbors? What countries compose Latin America? What is their racial make-up? Their social inheritance? Their religion? Their political philosophy? Their political practice? How rich they are in natural resources? How well their industries are developed? Their agriculture? Foreign control of all occupations is how great?

What is the Monroe Doctrine? What is the attitude of the United States toward it? The Latin American attitude? Has it outlived its service and time? What should take its place? What control do the Japanese have in Brazil? In Argentina? Will Germany set up a Fascist state in Argentina? How strong are the Italians in Brazil? Will Mexico continue to expropriate foreign capital? What is the future to be in Latin America for American imperialists? For American trade? For good will? Lectures, readings and discussions. Open to all students without prerequisite.

HYGIENE

Winifred E. Champlin, Instructor
Helen W. Cox, Instructor
Sam A. Tenison, Instructor

1. Health Education. (2)

The course consists of a consideration of health and its effect on the quality of human life; the effect of exercise and fatigue; prevention in specific diseases; and the hygiene of the different body systems. One semester is required of all students for graduation.

JOURNALISM

Derrill Place, Instructor

1. Introduction to Journalism. (2)

An introductory course in journalism, designed to give the student an understanding of the modern newspaper with some practice in writing for publication.

Prerequisite: Passing grade in either the Subject A Examination or English 50.

2. Newspaper Reporting. (2)

Study of the work of the reporter. Practice in news gathering; writing for publication.

Prerequisite: Passing grade in either Subject A Examination or English 50.

61. Copy Reading. (3)

How is manuscript prepared for the printer? Does journalism have its own rules for punctuation? How does a reader correct proof?

By handling copy that is to appear in print, the student interested in writing has an opportunity in this course to prepare copy for publication and to correct the material of other writers.

62. Newspaper Problems. (3)

What is news "fit to print"? What is the responsibility of a newspaper to its readers? What is meant by a "free press"? By publishing the college paper, putting copy into print, the student in this course learns something of the background of journalism and accustoms himself to the routine of publication.

Note: All students enrolled in Journalism should be able to use a typewriter or should register in Commerce 50.

LAW

Loyd S. Noble, Instructor

Elmer T. Worthy, Instructor

Pre-Legal students are advised to follow the Pre-Legal Curriculum as outlined on page 50.

1. Elementary Law. (3)

History and development of law. Nature of sovereignty, the Roman law, common law, fundamental concepts of justice, legal rights and duties, the courts, doctrine of stare decisis, nature of property and property rights.

18. Commercial Law. (3)

A practical course on the principles of law that affect the business relations of persons, including contracts, sales, agency and insurance. Special emphasis is placed on the study of the laws of California that a person should know in order to take care of his every day business affairs.

Parallels University of California Jurisprudence 18A.

19. Commercial Law. (3)

A continuation of 18. A study of negotiable instruments, partnerships, corporations, securityship, real property and wills.

Prerequisite: Law 18.

Parallels University of California Jurisprudence 18B.

67. Law for the Layman. (3)

Legal problems that everyone should know. Will you ever be arrested? What legal responsibilities are connected with marriage and divorce? What legal obligations are incurred when you sign a contract to buy on time? Do you know how to make a will? Will you inherit

property when your uncle dies? What is the function of a grand jury? Will your life be affected by laws and law enforcement? Do you understand what you read and hear about courts and trials? Emphasis is placed on legal problems met sooner or later by every one.

LIBRARY SCIENCE

Esther Ramont Nichols, Instructor

1. Library Science. (3)

The study of the use of books and libraries with special attention to reference aids, such as the card catalog, dictionaries, encyclopedias, indexes, yearbooks, etc. Practical experience in the routine of the Junior College Library is an important phase of the course. Instruction includes discussion of classification, cataloging, subject headings, and filing, with practical problems in book selection and order routine. Three hours of lecture and five hours of laboratory work a week.

Prerequisite: Consent of instructor.

MATHEMATICS

Burgoyne L. Griffing, Instructor
Charles H. Harrington, Instructor
Clement D. Meserve, Instructor
C. Leslie Nichols, Instructor

Preparation for the Major

Required:

1. Mathematics 2, 3, 4, 5, 6.

Recommended:

1. Physics.
2. Astronomy.
3. Reading knowledge of French, Italian, and German.

1. Intermediate Algebra. (3)

Fundamental laws, curve plotting, linear equations, negative and fractional indices, quadratic equations, arithmetic and geometric progressions, the binomial theorem, and logarithms. Students who have **two** entrance units in algebra may **not** receive college credit for this course. Students who have one and one-half entrance units in algebra may receive only 2 college credits for this course.

Prerequisite: One year of high school algebra.

2. Trigonometry. (3)

An elementary course in plane trigonometry and spherical right triangles with practical applications. Trigonometric functions, the right

triangle, functions of multiple angles, trigonometric equations and identities, radians, inverse functions, the oblique triangle, logarithms, calculations, trigonometric analysis, and Napiers rule as used in solving spherical right triangles. Students who have entrance credit in trigonometry may **not** receive college credit for this course.

Prerequisite: High school plane geometry and either one and one-half years of high school algebra or Mathematics 1.

3. Plane Analytic Geometry. (3)

A study of the equations representing the straight line, circle, ellipse, and other conic sections as the locus or equations of first and second degree in rectangular coordinates; methods of writing equations for tangents and normals to circles and conic sections. Polar coordinates and transformation of coordinates.

Prerequisite: Two years of high school algebra, plane geometry and trigonometry, or Mathematics 1 and 2.

Parallels University of California Mathematics 3A.

4. Differential Calculus. (3)

The study of functions, algebraic and transcendental and their classification. The derivative defined; its practical use in obtaining velocities and acceleration values in non-uniform straight line and curved line motion; and in obtaining maximum and minimum values useful in design. The differential, and infinitesimal and its use in forming derivatives. The use of the first and second derivative in rapid curve tracing.

Prerequisite: Mathematics 3.

Parallels University of California Mathematics 3B.

5-6. Integral Calculus, Solid Analytical Geometry and Infinite Series. (3-3)

A study of integration in the indefinite and definite integral. Applications of the definite integral in the determination of areas, volumes, centroids and moments of inertia. The study of surfaces in the geometry of space; partial differentials, multiple integrals and infinite series.

Prerequisite: Mathematics 4.

Parallels University of California Mathematics 4A-4B.

8. College Algebra. (3)

A review of fundamental processes of algebra and advanced work in progression, determinants, theory of equations, partial fractions, permutations and combinations, logarithms, probability, and infinite series.

Prerequisite: One and one-half years of high school algebra or Mathematics 1, and Mathematics 2.

Parallels University of California Mathematics 8.

50. Plane Geometry. (3)

A comprehensive course in plane geometry. Parallel lines, proportion, congruent and similar triangles, the right and oblique triangles; the theorem of Pythagorus, circles, and polygons are included.

Students receiving the grade "B" in this course may remove both subject and grade deficiencies in high school geometry. A lower grade will remove only a subject deficiency.

51. Elements of Mathematics. (2)

A general course in the arithmetic of proportion, fractions, multiplication and division, roots and powers of numbers; addition and subtraction of complex or mixed numbers and an introduction to the use of the equation in algebra. Methods of computation are emphasized.

MUSIC

Irene Maddocks Pattison, Instructor
Harland Otis Shennum, Instructor

Preparation for the Major

Required:

1. Music 1-2, 3-4, 5-6, 7-8.

Recommended:

1. Related courses in English.
2. History 1-2.
3. Foreign languages, particularly French and German.
4. Philosophy 3-4.
5. Physics 5-6.

1-2. Solfège. (2-2)

Basic course for all students of both instrumental and vocal music. Extensive drill in sight reading, ear training and melodic dictation.

3-4. History and Appreciation of Music. (3-3)

A study of the development of form and style in music through lecture, illustration and readings with regard to the structure and esthetics of musical compositions. The course also assists in a better understanding of music literature. The historical development of music through to the contemporary composers is taken up in conjunction with the study of their works. Either semester may be taken first.

5-6. Harmony. (3-3)

One year course in the study of materials used in music both diatonic and chromatic. Deals with chord relationships and progressions. Harmonization of melodies by section and phrase with the use of em-

bellishing tones. Emphasis is placed on rhythmic principles governing harmonizations. Common chord and common tone modulation. Allied chords and modulations. Use of the augmented Sixth chords.

Prerequisite: Music 1-2. (May be taken concurrently.)

7-8. Counterpoint. (2-2)

Fundamental principles of good melody. Strict Counterpoint in all orders; two, three, and four voices. Free or modern counterpoint: note to note; second order: two or more notes to one admitting unharmonized dissonances either as changing notes, passing notes, retardations or suspensions.

11-12-13-14. Chorus. (1-1-1-1)

Studies in the appreciation and performance of standard choral literature with special emphasis placed upon principles of part singing, vocal control, expression, diction, phrasing, and breath control. Development of ability to interpret printed page. Give training in public appearance.

15-16-17-18. A Cappella Choir. (1-1-1-1)

Emphasis on singing technique, repertoire, and public performance. A wide variety of music from Praetorius to the modern literature is studied. Assist in annual school opera. Open to all students by tryout.

21-22-23-24. Voice Training. (1-1-1-1)

Study of the principles of correct tone production and application of same to the simpler songs and ballads in English. Poise and diction stressed. Much individual singing and class discussion. Course planned toward the development of individual accomplishment. Style, tone color and interpretation are stressed.

31-32-33-34. Orchestra. (1-1-1-1)

Standard symphonic literature studied. Appears at the annual school opera, many school functions and the Annual Spring Junior College Festival. Open to all students.

41-42-43-44. Band. (1-1-1-1)

The better literature for modern bands is studied. Beginners admitted by arrangement with the instructor. Functions at all school athletic events. Open to all students.

53-54. History and Appreciation of Music. (3-3)

A study of the development of form and style in music through lectures, illustration and readings with regard to the structure and

esthetics of musical compositions. The course also assists in a better understanding of music literature. The historical development of music through to the contemporary composers is taken up in conjunction with the study of their works. Either semester may be taken first.

61-62. Instrumental Training. (1-1)

Elementary instruction on all string and wind instruments. Stress is placed upon proper tone production, simple technique, and ensemble playing. Fundamental principles of transposing, arranging and conducting are also given.

71. Trio. (1)

Class for vocal trios to be trained for public appearance with special emphasis placed on phrasing, diction, interpretation, and stage presence. Two hours per week.

Prerequisite: Consent of Instructor.

73-74. Male Quartet. (1-1)

Class for training male quartets for public appearance. Special emphasis is laid on blending tone quality, interpretation, phrasing, and diction. Two hours per week.

Prerequisite: Audition and consent of instructor.

75. Instrumental Quartet. (1)

Quartet for string or woodwinds. Study of suitable material for public appearance with emphasis on phrasing, interpretation, and the tone quality. Two hours per week.

Prerequisite: Consent of instructor.

77-78. Mixed Octette. (1-1)

Admission by audition only. Experience in group singing desirable. Ability to sight read music is necessary. This group specialized in motet and madrigal singing. Much experience in public performance is offered. Students interested must try out before registering for credit. Do not try out unless you can take the full year.

PALEONTOLOGY

Clement D. Meserve, Instructor

Preparation for the Major

Required:

1. Botany 1-2 or Zoology 1-2.
2. Geology 1-2.
3. Paleontology 1.
4. High school chemistry and physics.

Recommended:

1. Chemistry 1-2.
2. A reading knowledge of both French and German.

1. General Paleontology. (3)

A general study of the history of life on the earth with particular reference to the principles of and evidences for organic evolution. Three lectures or recitations each week and three half day field trips.

Parallels University of California Paleontology 1.

PHILOSOPHY

Ralph Leslie Johns, Instructor

Preparation for the Major

Required:

1. Philosophy 1-2.
2. Philosophy 3-4.
3. Logic (U. C. Philosophy 12).

Recommended:

1. Foreign Languages.
2. Social Sciences.

3-4. History of Philosophy. (3-3)

The development of philosophical theories from the early Greek period to the end of the eighteenth century, with a brief outline of philosophical movements of the nineteenth century. Attention will be given throughout to the relations of philosophy with social and political conditions and with science, literature and religion.

Sophomore standing preferred.

Parallels University of California Philosophy 10A-10B.

51. Social Ethics. (3)

What is the nature of moral deliberation? How do we know the good and the right? The beautiful and the true? Is pleasure the goal in life? Duty? Self-realization? Virtue? What is moral responsibility? How is it related to duty to one's self and to the State? What is the meaning of justice? Upon what bases is political authority built? How do monarchy, aristocracy, anarchism, communism, syndicalism, guild socialism, political pluralism and democracy relate themselves to totalitarianism, authoritarianism, and the democratic ideal?

What is the nature of capitalism? What codes of ethics apply? How is it related to industry? What are the international aspects of business? How are they related to the morality or amorality of nations? What are the problems of free choice and determinism, the assumptions of science, ideals, belief in God, and belief in progress?

One lecture, two discussion groups weekly. Open to all students without prerequisite.

PHOTOGRAPHY
B. L. Griffing, Instructor

51. Elements of Photography. (2)

Development of the basic techniques in the art of taking pictures. Making exposures, developing negatives, the making of prints, and the making of enlargements from both miniature and large negatives. One will study the use of different developers, various kinds of paper and film. It is expected that the student will, by the end of the course, have mastered the art of making well finished pictures under all ordinary conditions. Every student will be expected to turn in one picture each week.

52. Intermediate Photography. (2)

For more advanced students, opportunity will be given to study such topics as the chemistry of development, filters, lenses, sensitometry, toning, the making of a montage, the making of prints in color, and some portrait work. For students who show suitable skill, opportunities will be given in connection with the drama department, school publications, and sports to take pictures such as those a reporter would have on assignment.

Prerequisite: Consent of instructor.

PHYSICAL EDUCATION FOR MEN

James L. Jonas, Instructor
Sam A. Tenison, Instructor

Preparation for the Major

Required:

1. Chemistry 11-12.
2. Zoology 3.
3. Psychology 1-2.
4. Hygiene 1.

Recommended:

1. Speech 3-4.
2. Economics 1-2.

Physical Education is required of all freshmen and sophomore students regardless of the course in which they are majoring. Medical examination by the school physician is required of all students.

Men who qualify as candidates for representative athletic teams may enroll for regular work during the season of participation in the following sports: football, basketball, baseball, track, tennis, golf, and swimming. When the season closes for any of the above sports, all members must return to regular class activities. All other men students will be assigned to regular class periods for a program of seasonal sports and special exercises.

1-2. Freshmen Gymnastics. ($\frac{1}{2}$ - $\frac{1}{2}$)

A minimum of two hours each week, including corrective and postural work, general gymnastics, and class athletics.

3-4. Sophomore Gymnastics. ($\frac{1}{2}$ - $\frac{1}{2}$)

A minimum of two hours each week, including corrective and postural work, general gymnastics, and class athletics.

11. Social Dancing. ($\frac{1}{2}$)

Instruction in social dancing for men and women who do not know how to dance. This class meets once a week for two hours.

20. Leadership. (2)

Discussion of the principles governing the choice of activities. Study of technique and rules. Organization and leadership of activities. This is a general course that takes into consideration the principal factors that are necessary for leadership. Such subjects as public speaking, dramatics, social sciences, and biology are recommended for students interested in leadership activities.

PHYSICAL EDUCATION FOR WOMEN

Winifred E. Champlin, Instructor

Helen W. Cox, Instructor

Preparation for the Major

Required:

1. Chemistry 11-12.
2. Zoology 3.
3. Psychology 1-2.
4. Social Arts 25.

Recommended:

1. Music 3-4.
2. Speech 7-8.

Two hours per week is required of all women students.

1. Freshman Formal Gymnastics. ($\frac{1}{2}$)

Instruction in Danish and Swedish gymnastic exercises with marching and games.

2. Beginning Sports. ($\frac{1}{2}$)

Instruction in the fundamental techniques of volleyball, basketball, hockey and baseball in season.

3. Intermediate Sports. ($\frac{1}{2}$)

Development of techniques in volleyball, basketball, hockey and

baseball in season with matches and tournaments.

4. Beginning Tennis. ($\frac{1}{2}$)

Instruction in fundamental strokes and practice for beginners.

5. Intermediate Tennis. ($\frac{1}{2}$)

Practice for those who have had beginning tennis and can pass an examination in fundamental strokes. Instruction in umpiring, doubles and singles tactics.

6. Beginning Rhythmic Activities. ($\frac{1}{2}$)

Instruction in simple clogs and athletic rhythms.

7. Intermediate Rhythmic Activities. ($\frac{1}{2}$)

Instruction in clogs and taps.

8. Beginning Folk Rhythms. ($\frac{1}{2}$)

Instruction in folk dances of all nations with some discussion of costumes.

9. Adapted Activities. ($\frac{1}{2}$)

A class for the student whose medical examination indicates that she should take restricted activities.

10. Social Sports. ($\frac{1}{2}$)

Practice in badminton, ping-pong, and deck tennis for fourth semester students recommended by the Department of Physical Education.

11. Social Dancing. ($\frac{1}{2}$)

Instruction in social dancing for men and women who do not know how to dance. This class meets once a week for two hours.

12. Beginning Swimming. ($\frac{1}{2}$)

Instruction in correct breathing, body balance, elementary strokes, and diving.

13. Intermediate Swimming. ($\frac{1}{2}$)

Recreational swimming with instruction in advanced strokes.

14. Beginning Archery. ($\frac{1}{2}$)

Instruction in the technique of archery and a tournament in which the Junior Columbia Round is shot.

15. Intermediate Archery. ($\frac{1}{2}$)

A continuation of Archery 14. Practice in shooting and a tournament in which the Columbia Round is shot.

20. Leadership. (2)

Discussion of the principles governing the choice of activities. Study of technique and rules. Organization and leadership of activities. This is a general course that takes into consideration the principal factors that are necessary for leadership. Such subjects as public speaking, dramatics, social sciences, and biology are recommended for students interested in leadership activities.

PHYSICS

B. L. Griffing, Instructor

Charles H. Harrington, Instructor

Preparation for the Major

Required:

1. Physics 1-2, 3-4.
2. Chemistry 1-2.
3. Mathematics 2, 3, 4, 5, 6.

Recommended:

1. Mathematics 8.
2. A reading knowledge of French and German.

1-2. General Physics. (3-3)

Heat, sound and mechanics. A study of the laws of motion, dynamics, statics, properties of matter, molecular nature of heat, laws of heat transfer. A study of the fundamental laws of sound and musical tone; acoustics of buildings; modern applications to theory of sound.

Only engineering students and science majors should enroll in Physics 1-2.

Prerequisite: High school physics or chemistry, and trigonometry (trigonometry may be taken concurrently).

Parallels University of California Physics 1A-1B.

3-4. General Physics. (3-3)

Continuation of Physics 1-2. Electricity and light. The laws of magnetic fields, the laws and measurements of current flow and potential difference; Ohms law and electromagnetism and induced currents; conduction of electricity through gases, ferromagnetism; radio activity; laws of illumination; photometry, measurement of wave length;

spectroscopy. A short survey will be made of some of the tendencies in modern physics.

Prerequisite: Physics 1-2 with a grade of C or above.

Parallels University of California Physics 1C-1D.

5-6. General Physics. (4-4)

A study of properties of matter, mechanics, heat, sound, light, electricity and magnetism. Lectures, demonstrations, problems and laboratory work. Required for pre-medical students. Elective for liberal arts students. Students desiring a general knowledge of physics should enroll in this course. Only engineering students and science majors should enroll in Physics 1-2, 3-4.

Prerequisite: High school physics or chemistry, and trigonometry (trigonometry may be taken concurrently).

Parallels University of California Physics 2A-2B, 3A-3B.

51. Physical Principles. (3)

A great many students who are not making a major of any field of science, wish to find out more of the scientific world which surrounds them. How does a Neon sign function? Why do airplane wings have the shape they do? What are X rays, and what uses do they have? What are Neutrons, Positrons, and Cosmic Rays? What great scientific ideas did Galileo and Bacon give to the world? Why are the methods of the scientist in attacking a problem so much more effective than the blundering attempts of the layman?

61. Radio Engineering. (3)

Fundamental laws of direct and alternating currents; characteristics of vacuum tubes; circuit theory.

Prerequisite: High school physics and 3 years of mathematics.

62. Radio Engineering. (3)

Applications of principles of radio to public address systems, transmitters, and various kinds of receivers.

90-91. Shop Work and Instrument Making. (1-1)

A course consisting of laboratory work in designing and constructing apparatus for lecture demonstration and use in connection with Physics 1-2, 3-4, and 5-6. A student will be eligible for two units in this course and the credit will count toward graduation only. Registration in this course is subject to the approval of the instructor.

92-93. Radio Measurement. (1-1)

A course covering experiments in radio and electrical measurements. Three hours.

PHYSIOLOGY AND ANATOMY

Ernest W. Hawkes, Instructor

1-2. Physiology and Anatomy for Nurses. (4-4)

This course covers the essential features of the structure and functions of the systems of the human body. It is presented by lectures, text assignments, and the use of skeletons, charts, and models. The dissection of the cat furnishes correlation for the study of human structure.

Required of all students in the nursing curriculum.

Prerequisite :High school chemistry or physiology.

51-52. General Physiology and Anatomy. (4-4)

A general course in physiology and anatomy for those not desiring professional training. How do the body systems work? What diseases affect them? How do tissues look in health and disease? How does the embryo develop? These and similar questions are answered in daily lectures and laboratory periods throughout the week.

Prerequisite: High school physiology or biology.

POLITICAL SCIENCEJohn E. Kienle, Instructor
Elmer T. Worthy, Instructor**Preparation for the Major**

Required:

1. Political Science 1-2.
2. Political Science 3-4.

Recommended:

1. Economics 1-2.
2. History 1-2.
3. Law 1.
4. Psychology 1-2.

1-2. Comparative Government. (3-3)

Study of the origin and development of the state; its organization, function and chief problems, with emphasis placed on the study of the governments of Great Britain and her dominions, France, Italy, Russia, Germany and Switzerland.

Parallels University of California at Los Angeles Political Science 51A-51B.

3-4. American Government. (3-3)

A study of principles and problems in relation to the organization and functions of the American system of government. A survey of

the organization and functions of the national government with special attention to the features and the principles of the Federal Constitution. Some features of the organization of state and local governments will be briefly considered.

Students who have credit for Political Science 5 should not enroll in Political Science 3-4. Duplication of material studied will result in deduction of units.

Parallels University of California at Los Angeles Political Science 3A-3B.

5. American Political Ideals. (2)

This, or a similar course, must be taken by all students graduating from a four year institution of higher learning in the State of California, and by all teachers before receiving a certificate to teach. The background of American institutions, the Constitution studied from the historical, philosophical and analytical points of view.

No credit is allowed for Political Science 5 if the student has already taken Political Science 3.

Prerequisite: At least second semester standing.

Parallels University of California at Los Angeles American Institutions 101.

65. State and Local Government. (2)

Who makes the laws of the State of California? Who governs Los Angeles County? How does county government differ from city government? How does the State of California government affect our daily life? What important Los Angeles County laws affect us? What is an incorporated city? How is the citizen affected when the territory where he lives becomes incorporated? What regulations of the state, county, and city directly concern a man starting a business? How does the state, county, and city protect the working man and woman? What of health laws, and traffic ordinances?

PSYCHOLOGY

Ralph Leslie Johns, Instructor

Preparation for the Major

Required:

1. Psychology 1-2.
2. Zoology 1-2.

Recommended:

1. French and German.
2. Chemistry and Physics.

1-2. General Psychology. (3-3)

A systematic treatment of various reactions, traits, and tendencies; reflexes, instincts, feelings, emotions, intelligence, memory, imagination,

perception, personality, etc. Lectures, collateral reading, laboratory demonstrations, and frequent quizzes.

Sophomore standing preferred.

Parallels University of California Psychology 1A-1B.

51. Practical Applications of Psychology. (3)

What is mind? Intelligence? How is intelligence measured? Can we improve intelligence? What do tests show about vocational and personal fitness? What are the emotional and social factors in college students' lives? How may repressions, avoidances and escape mechanisms be resolved? How may fear be overcome? What factors enter into correct, effective thinking? How may I get on with other people? How may I gain self-confidence?

Cases from business, social, professional, and political life. Conferences with persons for the purpose of observation. One lecture, two discussion conference groups weekly. Open to all students desiring a workable knowledge of psychology.

SOCIAL ARTS

Emma M. Ueland, Instructor

Preparation for the Major of Household Arts

Required:

1. High school chemistry.
2. Social Arts 11-12.
3. Art 3-4.
4. History 1-2.

Recommended:

1. High school courses in clothing, freehand and mechanical drawing, and physiology.
2. Anthropology 1A-1B (University of California).
3. Economics 1-2.
4. Psychology 1-2.
5. Latin, French, Italian, Spanish, or German.

Preparation for the Major of Household Science

Required:

1. Chemistry 1-2.
2. Economics 1-2.
3. Social Arts 21-22.

1. The American Home. (2)

The purpose of this course is to present to women students and assist them in putting into practice the highest ideals of woman's part in the scheme of living. The scope of the course is planned to be wide enough to touch the individual needs of each student. Such phases of

life as women's part of home making, family relationships, the art of entertaining, correct social usages and the practicing of certain manners and customs are studied. Situations which will arise in life are invented and ways of meeting these situations worked out. A history of home life in various foreign countries as well as in our own is studied and some interesting foreign customs introduced into class functions of a social nature.

2. Interior Decoration. (2)

A study of house planning and furnishing in accordance with structural art principles. The historic, artistic, economic and sanitary phases are emphasized and problems of selection and arrangement of furniture, draperies, rugs, pictures, and decorative objects studied. A study is made of period furniture and of historic decorative accessories.

4. Handicrafts. (2)

This course aims to stimulate students to observe and appreciate art in the fields of textiles and crafts. The historic, economic, as well as artistic phases are studied. The principles of color, line, and design are applied to household accessories as well as to wearing apparel. The application of the following processes: batik, weaving, leather tooling, book binding, wood carving, stenciling, wool embroidery, etc., are used in the construction of simple craft problems.

11-12. Clothing. (3-3)

Study of costume through art principles of design and color. Study of kinds and qualities of material. Construction of typical garments, including sport, afternoon and evening wearing apparel, and suits and coats. Clothing industries and clothing standards in relation to the economic and social life of the community.

Parallels University of California Household Arts 1A-1B.

21-22. Elementary Food Study. (3-3)

The principles involved in food selection, preparation, and preservation. Analysis of recipes and standard products. The composition and general properties of food stuffs.

Prerequisite: High school chemistry.

Parallels University of California Household Science 1A-1B.

25. Elements of Nutrition. (3)

The principles of nutrition and their application to the feeding problems of everyday life. Discussions of metabolism and feeding experiments for testing biological efficiency of different types of food materials. Attention is given to recent literature bearing upon prob-

lems in dietetics, upon growth, and upon normal and subnormal nutrition.

26. Food Study for Nurses. (3)

This course includes food preparation and menu making, emphasizing a study of hospital trays, and special diets. Planned especially for nursing students.

31. Home Citizenship. (1)

This is a study of men's part in home making. Its purpose is to present to men students the highest ideals of the American home of today. Such phases of life as family relationships, spending the family income, the art of being a host, correct social usages, and the practicing of certain manners and customs are studied.

41. Clothing Selection. (1)

This course aims to develop good taste in dress. Art principles are emphasized in the study of line and color in costume; and in the use of fabric. Personality types are studied. Practical problems of the clothing budget, dressing on a limited income, and shopping suggestions are also part of the course. Individual problems are given consideration. This course is planned especially for students who are not taking other clothing courses.

55. Advanced Handicrafts. (2)

An advanced course in handicrafts. Six hours laboratory work a week.

60. Family Relations. (2)

A course in the art and science of family life. Such topics as friendships, personality adjustments in marriage, social and economic responsibilities of family members. Sex hygiene will be discussed.

63. Child Guidance. (2)

The care and training of children. It will include the study of early training in food habits, play and recreation, parent-child relationships, discipline, home training for citizenship, clothing for children. It is especially planned for students interested in their own homes.

65. Domestic Management. (2)

A systematic study of the problems of domestic management designed to meet the needs of students who will soon have homes of their own, and also for those who are working for their room and board. It will deal with practical home problems, such as: cleanliness

and sanitation, modern equipment, meal planning and table service, time and money budgeting, relationship of employer and employee and other subjects of special interest to the home maker. Field trips and demonstrations by experts.

71. Clothing Clinic. (2)

A lecture and laboratory class in clothing. The lecture period will be devoted to developing an understanding of the principles of good taste in dress. The laboratory period will include making over, designing and planning clothes. As much individual supervision as possible will be given.

72. Pattern Making. (2)

This course includes flat pattern work, drafting and draping on figures. Its purpose is to develop in the student an understanding of foundation figure construction to the extent that she will not be dependent upon commercial patterns.

SOCIOLOGY

John E. Kienle, Instructor

51. Introduction to Sociology. (3)

What are folkways? What makes a person cultured? What effect does culture have upon the unity of mankind? What is gregariousness? Are nations gregarious? Why did Eugenics develop? What are the problems of the family? Should everyone work? Why are there racial conflicts between groups? How may race hatred and prejudice be reduced? How may groups be stimulative? Why is there need for group control through customs: public opinion; law; labor? What are the origins of leadership? What traits of leadership are evidenced in such characters as governmental leaders, industrial leaders, religious leaders, financial leaders. Two lectures, one discussion weekly.

52. Applied Sociology. (3)

What are the methods of dealing with the delinquent? the criminal? the blind? the deaf? the feeble-minded? the insane? the aged? the handicapped? What is the work of the visiting school-teacher? the child guidance clinic? the church? the Scouts? the playground? the state institutions? What factors seem to have unusual weight in the production of delinquents, the physically handicapped, mentally ill in society? How may industrial traffic, and health hazards be decreased? Why should cities be planned? zoned? One lecture, two discussions weekly.

SPANISH

Leroy T. Herndon, Instructor

W. C. D. Kerr, Instructor

Preparation for the Major

Required:

1. 16 units of lower division Spanish.
2. Stanford and the University of Southern California recommend two years of Latin in the high school. The University of California requires it. It must be taken in the high school, as the universities are not offering elementary Latin.
3. English 1-2.

Recommended:

1. History of Spanish-speaking countries.
2. Additional Latin.
3. Related courses in other literatures.
4. Courses in French, German, Italian. A minor in another language is strongly advised.
5. A thorough course in English grammar.

1. Elementary Spanish. (5)

The elements of grammar, composition, and conversation, with drill in pronunciation. May **not** be taken **for credit** by students who have had **two** years of high school Spanish. Students who have had one year of high school Spanish receive only 2 units of college credit.

Parallels University of California at Los Angeles Spanish A.

2. Elementary Spanish. (5)

Spanish 2 is a continuation of Spanish 1. It furthers the study of grammar, adding much in conversation and reading knowledge. Special emphasis is placed on idioms and oral work.

Prerequisite: Spanish 1 or two years of high school Spanish.

Parallels University of California at Los Angeles Spanish B.

3. Intermediate Spanish. (3)

Reading, translation, and interpretation of Spanish texts. Practice in oral and written resumes of reading. Grammar review.

Prerequisite: Spanish 2 or three years of high school Spanish.

Parallels University of California at Los Angeles Spanish C.

4. Intermediate Spanish. (3)

A continuation of Spanish 3. Reading of more advanced texts and grammar.

Prerequisite: Spanish 3 or four years of high school Spanish.

Parallels University of California at Los Angeles Spanish D.

5. Advanced Spanish. (3)

Advanced grammar review, class and supplementary reading of Spanish texts, practice in conversation.

Prerequisite: Spanish 4.

Parallels University of California at Los Angeles Spanish 50A.

51. Spanish Culture and Civilization. (3)

How does the Spanish-Mexican background in California affect our lives today? What are California's borrowings from Spanish sources? What are Americans learning nowadays from Mexico? What are some of the things the Spanish-speaking peoples have learned from us? Is there more that we could learn from them? How did Spain become the most powerful nation in the world? Why did she decay? What changes occurred in government, education and business? What are the causes of Mexico's War of Independence? What are its effects in the United States? How is the Spanish Revolution explained by American history and traditions? Readings, lectures, discussions, and reports.

51A. Spanish Culture and Civilization. (2)

Spanish 51 is organized into units of work. For this reason it is possible for students to enter the regular three unit course in Spanish Culture and Civilization at the end of the first grade report period. The class meets three times per week for the remainder of the semester and carries two units of credit.

52. Conversational Spanish. (3)

What are the sounds of the foreign language? How are they made? What simple words and sentences are used everyday? How are passports obtained? What is the best arrangement for travel by steamer, by train, by automobile? What theaters should one attend, and what other foreign pleasures are there? Where does one stay? How does one order a meal? These things and a hundred other foreign things are talked about in simple words.

SPEECH

Richard B. Lewis, Instructor
Derrill Place, Instructor

1. Fundamentals of Expression. (2)

A study of the principles governing voice quality, articulation, and clarity of expression. The means to effective speech will be studied in lecture sessions. In small laboratory sections the student will work* to analyze and to correct his individual speech problems. Practice in reading from the printed page and in speaking informally to develop force

and clarity in conversational situations will compose part of the work. Recordings will be made.

2. Oral Interpretation. (2)

A continuation of Speech 1 with stress upon reading aloud from prose, poetry, and plays. Choral reading of poetry and group reading of plays will be done in addition to individual reading. Speaking and reading for radio and public address systems will be practiced.

Prerequisite: Speech 1.

3-4. Public Speaking. (3-3)

A study of the fundamental principles of speech preparation, and of simple and direct speaking. Practice in outlining speech material and in presenting extemporaneous speeches.

A forum of organized student discussion centering about a study of contemporary affairs. Training in oral composition.

Prerequisite: Passing grade in Subject A Examination.

Parallels University of California Public Speaking 1A-1B.

5-6. Argumentation and Debating. (3-3)

The application of the rules of evidence and of inductive and deductive reasoning to public debate and discussion. Practice in gathering materials, in briefing, and in preparation of speeches for inter-collegiate debating.

Prerequisite: Permission of the instructor.

Parallels University of California Public Speaking 5A-5B.

7. Introduction to the Theater. (3)

A general introductory course offering foundation study for acting and play production, but with stress upon appreciation and enjoyment of the modern stage and motion pictures. Play reading and evaluation with concentration upon the contemporary period. An introduction to acting and a practical study of general body control for social poise and for acting. Discussions and research in theories of play production. Field trips. Introduction to stage make-up.

8. Techniques of Dramatic Production. (3)

A critical and experimental study of the actor's craft. Preparation of plays for production including how to study a play, how to cast, how to plot action, how to plan sets, properties and lighting. Stage organization and management. Advanced study of make-up. Each student will produce at least one scene for public presentation and will act in several plays.

Prerequisite: Speech 7.

51. Speech Improvement. (2)

How do I sound when I speak? How can I improve the sound of my voice? How can I learn to speak clearly? Can I overcome stage fright when I speak to others? How can I take part in conversation with strangers? How can I learn to speak and read so that others will want to listen? How should I speak into a microphone for radio or public address systems?

One lecture session and one laboratory section each week. Recordings will be made twice during the course.

57. The Theater Today. (3)

What makes a good stage production good? What makes a good motion picture good? Where are the best reviews of plays and motion pictures to be found? How can I get the most satisfaction and enjoyment from seeing or reading a play or motion picture? What is the contribution of the theater to evolving society?

What are the most important contemporary plays? What playwrights, actors, directors, producers, technicians, and other artists are doing the most important work in the theater and motion pictures today?

Can I act? What can I learn about acting? How can I develop social poise through acting? What are the fundamentals of stage make-up?

What part can theater entertainment in its many forms play in my life?

58. Theater Acting, Directing, and Producing. (3)

How can we enjoy participating in drama activities throughout life? How can we present plays for enjoyment and at the same time develop abilities to act, design, and produce in the theater?

How do we select a play for production? How do we analyze it before starting rehearsals? How do we cast a play? What do we do in rehearsals? How do we organize a production?

How do producing organizations, both professional and non-professional, plan and execute their productions?

61-62. Repertory Acting. (2-2)

Open to a limited number of advanced students. Plays will be prepared for presentation in the community.

Prerequisite: Speech 7-8 or Speech 57-58.

Note: The courses in drama are planned to give students an introduction to the theater. Work in the department is not primarily intended to train students for the professional stage, but experience and knowledge which are essential to

a theatrical career can be acquired. Emphasis is placed upon training for non-professional theater work and enjoyment of stage and screen productions through a trained appreciation.

STAGECRAFT

Leroy T. Herndon, Instructor

1-2. Stagecraft. (2-2)

A laboratory course in modern stage design, construction, painting, lighting, and backstage organization.

51-52. Stagecraft. (3-3)

What are the first steps in designing settings for a play? Why do plays need scenery? What plays need very little? What can be done if the stage is too small? If there isn't much money? If there are too many different scenes? What can lighting do for a play? How long will an audience wait for scene-changes? What are the responsibilities of a stage-manager?

Practical experience in designing, building, and painting settings for college plays, in lighting and backstage organization.

ZOOLOGY

Ernest W. Hawkes, Instructor

Preparation for the Major

Required:

1. Zoology 1-2.
2. Chemistry 1-2.

Recommended:

1. Chemistry 5-6.
2. French.
3. German.
4. Elementary courses in other biological subjects.

1. General Zoology. (4)

An introduction to the principles of animal biology, with special reference to the structure, functions, heredity, and evolution of animals. Study and dissection of animal types, assisted by charts and models. Two lectures and two three-hour laboratory periods.

Required of pre-medical and pre-dental students, and psychology, paleontology, and zoology majors.

Prerequisite: High school biology and physiology, or high school chemistry.

Parallels University of California Zoology 1A.

2. General Zoology. (4)

A continuation of Zoology 1. Structure and functions of chordate types, including their embryonic development. Two lectures and two three-hour laboratory periods.

Prerequisite: Zoology 1.

Parallels University of California Zoology 1B.

3. General Biology. (3)

An outline of the principles of animal biology, with special reference to evolution, heredity, eugenics, and the relation of biology to human life. Open without prerequisite to all students, but designed for those not specializing in zoology. Not open for credit to those students who are taking Zoology 1, but students who have taken this course may elect Zoology 1 for credit. Lectures, conferences, and reports.

Parallels University of California Zoology 10.

51-52. Biology and Man. (3-3)

Man in relation to other living things. How was he evolved? What is his heritage? What kind of an animal is he? How does he inherit his physical and mental characters? What is his future from a biological standpoint? Of what use are plants and animals to him? How do they resemble him in structure and function, and how do they differ from him? Weekly lectures and demonstrations supplemented by laboratory work on typical forms of plants and animals.

INDEX

Administration, Officers of.....	7
Anatomy	103
Announcement of Courses.....	62
Application for Registration.....	21
Art	64
Architecture	63
Assemblies	18
Associated Book Store.....	14
Astronomy	66
Attendance	13
Authority of Instructors.....	13
Aviation	66
Bacteriology	67
Board of Education.....	7
Botany	67
Calendar	6
Change of Program.....	13
Chemistry	68
Classification of Students.....	23
College and Professional Curricula.....	42
College Attitude	12
Commerce	71
Commerce, Semi-Professional Curriculum.....	33
Commerce, College and Professional Curriculum.....	43
Dental Curriculum	46
Disqualification	20
Economics	74
Engineering	76
Engineering Curriculum	47
English	78
Entrance Examinations	22
Entrance Requirements	21
Equipment	11
Examinations	13
Faculty	8
Fees	15
Final Examinations	13
Foreign Language Requirements.....	16
French	82
Geography	84
Geology	85
German	86
Grades	19
Grade Points	20
Graduation Requirements	26
History	88
History and Organization.....	11
Honor Students	17
Honorable Dismissal	14
Hygiene	90
Journalism	90
Law	91
Liberal Arts, Semi-Professional Curriculum.....	35
Liberal Arts and Science.....	51
Library	12
Library Science	92

Location	11
Lower Division Requirements.....	27
Mathematics	92
Mathematics Requirements	16
Medical Curriculum	54
Medico-Dental Assistant's Course.....	36
Mortuary Apprentice Course.....	37
Music	94
Music, College and Professional Curriculum.....	55
Music, Vocational	40
Natural Science	56
Numbering of Courses.....	15
Nursing Curriculum	57
Organization of Courses.....	23
Paleontology	96
Pharmacy	59
Philosophy	97
Photographs	23
Photography	98
Physical Education for Men.....	98
Physical Education for Women.....	99
Physical Education Requirements.....	16
Physics	101
Physiology	103
Placement Bureau	14
Political Science	103
Psychology	104
Purpose of the Junior College.....	12
Radio	38
Repetition of a Failure Course.....	20
Requirements University of California.....	27
Requirements University of California at Los Angeles.....	29
Requirements University of Southern California.....	29
Requirements Stanford University.....	30
Residence Requirements	21
Secretarial Course, Two-Year Semi-Professional Curriculum.....	34
Semi-Professional Curricula	31
Social Arts	105
Sociology	108
Spanish	109
Speech	110
Stagecraft	113
Student Activities	17
Student Counseling	14
Student Finances	18
Student Union	14
Teaching Curriculum	61
Time Schedule of Classes.....	18
Transfers from other Colleges.....	25
Transfers to other Colleges.....	16
Transfers to University of California.....	24
Type College and Professional Courses.....	42
Type Semi-Professional Courses.....	31
Unit Limitations	19
Units of Work.....	19
Withdrawal from College.....	14
Zoology	113

