

Edward J. Aubert

1962-63

catalog
SUPPLEMENT

STANISLAUS STATE COLLEGE
TURLOCK CALIFORNIA

Current list of Courses

August, 1962

1962-00

catalog

SUPPLEMENT

STANISLAUS STATE COLLEGE
TURLOCK CALIFORNIA

Current List of Books

1962

This Catalog Supplement and the 1961-1963 College Bulletin comprise the official catalog announcements for the 1962-1963 academic year. This Catalog Supplement supersedes the 1961-1963 College Bulletin where conflicts occur.

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Attendance of Classes
California State Colleges
History of Stanislaus State College
Housing
Non-Residence Students
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Purpose of the College
Scholarships and Loans
Stanislaus State College Foundation
Student Activities
Student Services
Veterans

For additional information: The list below contains the offices to which inquiries of various types should be sent.

Academic Records - C. W. Quinley, Jr., Registrar

Admissions, Requests for Catalog - Edward J. Aubert, Associate Dean, Admissions and Records

Business Affairs - Ernest E. Rives, Business Manager

Extension Offerings - John E. Caswell, Dean of Instruction

Student Activities, Placement, Housing - Joseph E. Bruggman, Dean of Students

Summer Session - Director of Summer Sessions

Mailing Address:

Stanislaus State College
Turlock, California

STANISLAUS STATE COLLEGE
Turlock, California

1962-63 Calendar

	<u>Fall '62</u>	<u>Spring '63</u>
Applications for admission with all transcripts and supporting documents due in Admissions Office	8/15/62	1/15/63
Entrance examinations for undergraduates	9/7/62	
Faculty conferences	9/12/62 9/10-11/62	1/30/63
Registration for all classes, Thursday noon - Saturday noon.	9/13-15/62	1/31-2/2/63
Last day to register without late fee of \$5.00	9/15/62	2/2/63
Opening ceremonies and student orientation program	9/17/62	2/4/63
Instruction begins	9/17/62	2/4/63
Last day of late registration	9/22/62	2/9/63
Legal holiday (Lincoln's birthday)		2/12/63
Entrance examinations for undergraduates	9/29/62	
Last day to apply for Fall 1962 graduation	9/29/62	
Last day to apply for Spring 1963 graduation		2/16/63
Last day for adding a course	9/29/62	2/16/63
Last day to withdraw or drop a course and apply for partial refund of materials and service fees	10/1/62	2/18/63
Legal holiday (Washington's birthday)		2/22/63
First Scholarship report	10/15/62	3/11/63
Last day to drop a course without a grade	10/19/62	3/15/63
Applications due for Spring 1963 and Summer Session 1963 graduation	10/19/62	
Applications due for Fall 1963 graduation		3/15/63
Easter vacation		4/8-14/63
Legal holiday (Veterans Day)	11/12/62	
Thanksgiving holidays	11/22-25/62	
Second scholarship report	12/3/62	5/6/63
Christmas holidays	12/19-1/1/63	
Pre-advising days for Spring semester, 1963	1/2-11/63	
Pre-advising days for Fall semester, 1963		5/13-24/63
Legal holiday (Memorial Day)		5/30/63
Pre-registration for Spring semester	1/9-11/63	
Last day of classes	1/18/63	5/31/63
Final examinations for semester	1/19-25/63	6/1-7/63
Baccalaureate and Commencement	To be announced	
Semester ends	1/26/63	6/8/63

ADMISSION TO THE COLLEGE

During the 1962-63 academic year students may be admitted to Stanislaus State College at either of two levels:

1. Upper division undergraduate standing (student transferring from other colleges and universities after completion of two years of college course work).
2. Graduate standing (students holding a standard baccalaureate degree).

Students who complete the admissions procedure and qualify under the standards described in detail below may be assured of admission.

ADMISSION STANDARDS

Admission of Undergraduates

To qualify for admission to Stanislaus State during the 1962-63 academic year, an undergraduate student must be in "good standing" at previous institutions attended and have satisfactorily completed either:

1. 60 or more transferable semester units of college course work with a 2.0 (C) grade point average, or
2. 54-59 transferable semester units of college course work with
 - a. a 3.0 (B) grade point average, or
 - b. a 2.0 (C) grade point average and meet the current freshman eligibility requirements as stated in the California Administrative Code, Title 5, Education.

Admission of Graduates

X For admission with graduate standing as an unclassified graduate student, a student shall have completed a four-year college course and hold an acceptable baccalaureate degree from an accredited institution. Admission with unclassified graduate standing, however, does not constitute admission to a program leading to an advanced degree or a school service credential. *accredited*

Students Enrolling for Less Than Seven Units

Students who plan to enroll for less than seven semester units must file formal applications for admission and such official documents as are necessary to establish their eligibility for admission under the provisions stated above for undergraduates or graduates.

Readmission

Students in "good standing" may be readmitted to the College after an absence of one or more semesters by filing a new application for admission. *graduation or*

Provisional Admission

with Applicants who apply with credit from non-accredited colleges may be considered for provisional admission providing they meet the standards listed for transfers from accredited colleges and universities. *(See evaluation of credit from non-accredited colleges, p. 4.)*

Probationary Admission

An applicant with a grade point deficiency who may be admitted by the Academic Standards Committee is given probationary status and must remove his entrance deficiency during his first year at Stanislaus State College. A student on probationary status may be restricted by his adviser to a limited program.

Cancellation of Admission

A student who is admitted to the college for a given semester but who does not register in the specified semester will have his admission cancelled. The student must file a new application form when he again seeks admission and must meet the current admission requirements.

ADMISSION PROCEDURES

Who Must Apply

First time graduate students and *OK*
Any person who did not enroll for, or who enrolled but withdrew from, campus residence credit or audit courses in the regular semester immediately preceding the semester in which he plans to enroll must file an application for admission or readmission. Enrollment in extension or summer session does not exempt a student from the above requirements. These requirements apply to all students.

When to Apply

Applications for the fall semester are accepted beginning March 1 and applications for the spring semester are accepted beginning October 1. Applications for admission with all transcripts and supporting documents are due in the Admissions and Records Office on August 15 for the fall semester and January 15 for the spring semester. The College cannot guarantee complete admissions processing of applications received after these dates.

How to Apply

Secure an application form from the Admissions and Records Office. These forms may be picked up in person or requested by phone or mail.

Transcripts Required

It is the applicant's responsibility to see that an official transcript from each college or university attended is on file in the Admissions and Records Office. A separate transcript from each college is required even when one transcript may show work taken at another institution. Transcripts must be sent directly from the collegiate institutions concerned. Students who attend summer sessions need not file transcripts unless they plan to earn degrees at Stanislaus State College. All records submitted become the property of the College and will not be returned to the applicant.

Returning Students

Graduation or DE
Former students of Stanislaus State who are returning after an absence of one or more semesters are required to make formal application for readmission. Official and complete transcripts must be submitted for attendance at any institution since the date of last enrollment at Stanislaus State.

Entrance Examinations

All persons entering Stanislaus State with less than sixty transferable semester units are required to take the College Entrance Examination Board-Scholastic Aptitude Test as an admission requirement. All other undergraduate applicants are encouraged to take this test unless they have previously taken the CEEB-SAT or a similar college entrance aptitude examination, and file the results with the Admissions and Records Office. These test results will be used as a basis for counseling and, when required, to assist in determining eligibility for admission. This test may be taken at Stanislaus State and other testing centers throughout the United States on established testing dates through the year. Details about this examination are available from the Admissions and Records Office.

Health Statement

A statement of health must be submitted by all students who intend to enroll for seven or more units of course work during a regular semester. Forms for this purpose are available from the Admissions and Records Office. *Students remaining in continuous attendance need not file* *OK*

Statement of Residence

A statement of residence must be completed at registration by each student; however, no student in continuous attendance during successive semesters is required to file a statement of residence after the initial filing, unless his residence status has changed.

EVALUATION AND ACCEPTANCE OF CREDIT

The Office of Admissions will evaluate previous college work in terms of its relationship to the requirements of Stanislaus State College. All degree candidates will be issued a Summary of Degree Requirements, which serves as a basis for determining specific remaining requirements for the student's specific objective. Once issued to a student, the evaluation remains valid as long as the student matriculates at the date specified, pursues the objective specified, and remains in continuous attendance. The student will not be held to additional graduation requirements unless such requirements become mandatory as a result of changes in the California Administrative Code.

In view of the foregoing regulations, the student should notify the Office of Admissions and Records immediately if he changes the objective specified in his evaluation.

While the evaluation for a student remains valid, the student is held responsible for complying with all changes in regulations and procedures which may appear in subsequent catalogs.

Transfer of Credit From a Junior College

Junior college credit is allowed up to a maximum of 70 units for students entering the college beginning September, 1961. No upper division credit may be allowed from a junior college, nor may credit be allowed for professional courses in education.

Credit From Non-Accredited Institutions

Credits earned in non-accredited colleges are accepted on a provisional basis only toward fulfillment of graduation requirements and advanced standing. Regular credit may be granted on completion of 24 units at Stanislaus State with a 2.0 (C) grade point average.

Credit for Extension and Correspondence Courses

The maximum amount of credit through correspondence and extension courses which may be allowed toward the bachelor's degree is 24 units, of which not more than 12 may be transferred from another college and university without approval of the Academic Standards Committee.

Credit for Military Service

Undergraduate students who have been in military service may receive unit credit toward a degree. Courses taken in service schools may be given credit on the basis of an evaluation which determines that they are of college level. Any credit for military experiences will be given only upon request. Records verifying such experiences must be filed with the office of Admissions and Records.

REGULATIONS AND PROCEDURES

Note: Students are held individually responsible for the information contained in these pages. Failure to read and understand these deadlines and regulations will not exempt a student from whatever penalties he may incur.

Advisory System

At admission each student is assigned an adviser in his major field of study; reassignments are made on approval of a student's change of major request. Students who are undecided concerning the choice of a major should seek the assistance of the College Counselor in the selection of a major. It is the student's responsibility to seek the advice of the major adviser assigned to him. The adviser helps the student plan and project his educational program; however, the student is expected to assume primary responsibility for meeting the requirements for a degree or credential.

Registration

Registration is the final step in the matriculation process. When a student has been admitted by the Office of Admissions and has decided in a conference with his assigned adviser which subjects he wishes to take, he is ready for registration.

A Class Schedule containing details regarding courses offered and procedures to be followed for registration is made available prior to the beginning of each semester and summer session.

At the time of registration, every student is required to file an official program card with the Office of the Registrar. The filing of a program card by the student and its acceptance by the College is evidence of an obligation by the student to perform the designated work to the best of his ability. Withdrawal from, or neglect of, any course entered on the program card, or a change of program without the formal permission of the Office of the Registrar, will result in a grade of F.

A student may not receive credit in any courses in which he is not registered.

Late Registration

The last day to register late each semester will be announced in the Class Schedule. Late registrants will find themselves handicapped in arranging their programs and must by State law pay a \$5.00 late registration fee in addition to regular fees.

Grading System

- A - (4 grade points)
- B - (3 grade points)
- C - (2 grade points)
- D - (1 grade point)
- F - (zero grade points)
- WU - Withdrew doing "D" or "F" work (zero grade points)
- I - Incomplete (No effect on grade point average; incomplete grades revert to "F" after one semester if not removed or extension of time not granted)
- H - Audit (No effect on units earned or grade point average)
- NR - No Record (No grade reported by instructor)
- WS - Withdrew doing "C" work or better (no effect on units earned or grade point average)
- W - Ungraded withdrawal (No effect on units earned or grade point average)

Student Classifications

Class level:

- Junior 54 to 89 acceptable semester units
- Senior 90 acceptable semester units or more

Admission status:

- General Clear admission
- Probational Admitted with scholastic deficiency
- Conditional Permitted to register pending official verification of admission status
- Extension Admitted for extension course work only
- Summer Admitted for summer session course work only

Registration status:

- Continuing: Student enrolled in last regular semester
- Former Returning student who previously matriculated but who was not enrolled in the last regular semester
- New Student who is matriculating for the first time

Auditors

A properly qualified student may register in classes as an auditor, provided there is room. The student must meet the regular college entrance requirements and must pay the same fees as other students. An auditor may not change his registration to obtain credit after the last date to add courses to the official program. An auditor is not permitted to take examinations in the course. No credit will be granted toward a degree or credential for a course with an audit grade.

Concurrent Enrollment

A student who desires to enroll for a course at another institution while enrolled at Stanislaus State College must secure prior approval from his major adviser and from the office of the Registrar. Forms for this purpose are available at the Admissions and Records Office. Credit may not be granted for units earned during concurrent enrollment unless prior approval is obtained.

Official Program Limits

The maximum load for students is 18 semester units of course work, including audited courses. A student desiring to carry units in excess of the maximum must submit a petition and obtain the approval of his major adviser and the Dean of Students. Students with outside responsibilities are strongly advised to reduce their study load.

Credit by Examination

Any student in resident study who can offer convincing evidence of having achieved the objectives of a course offered at (or required by) Stanislaus State for which credit has not otherwise been allowed may apply through the instructor and the Division Chairman concerned for a special examination in that course in order to fulfill the course requirement and/or earn unit credit toward a degree. Students who wish to secure credit toward a degree under this plan must register at a regular registration period for the units to be earned by examination. The grade earned in the examination will be recorded on the student's permanent record. Credit received by examination will not count toward the residence requirement of the College.

Graduate Record Examinations

The Graduate Record Examination - Aptitude Test is required of all Stanislaus State College students who are seeking admission to the programs listed below and should be taken during the final undergraduate semester or immediately after graduation:

1. Advanced Credentials
2. Elementary and Secondary Teaching Credentials - required only of graduate students whose undergraduate cumulative grade point average is less than 2.5 (C+)

Additional information concerning these examinations is available in the Admissions and Records Office.

Change of Major

Students who change their major after admission or select a major after admission must seek the approval of their present adviser and the Department Chairman of the new major and file an application for change of major with the Admissions and Records Office.

Change of Official Program

No change in a student's official program of courses will be recognized unless it is made on official forms, signed by his adviser, and accepted at the Registrar's Office. Unofficial dropping of a course will lead to a final grade of F.

Provision is made for a student to drop a course during the semester subject to the following regulations:

1. A course may be dropped and removed from the official program of courses if a change of program card is filed in the Registrar's Office on or before the last day to drop a course without penalty for work below "C" grade, as shown in the calendar.
2. After the last day to drop a course without penalty for work below "C" a student who drops a course in which he is doing satisfactory work ("C" or better, as judged by his instructor) will receive a grade of WS; if his work is unsatisfactory ("D" or "F") he will receive a grade of WU.

Students may add courses by filing a change of program request in the Registrar's Office not later than the last day to add a course as shown in the calendar.

Withdrawal From College

A student may withdraw from the college provided he files an approved request for withdrawal in the Registrar's Office.

Students who file a request for withdrawal after the last day to drop a course without penalty for work below "C" grade as shown in the calendar are subject to grades of WS or WU as explained above under Change of Official Program.

A student who takes unauthorized leave will receive a final grade of F in every course for which he was registered.

Incomplete Work

Incomplete grades are given for illness of students, or other reasons beyond the control of the student. The responsibility for completing the work to remove an incomplete grade rests with the student. Incomplete grades not removed by the last day of the next regular semester shall revert to an "F". If missing the final examination is the cause of the incomplete grade the student should make up this examination by the first six weeks of the next regular semester. In a case of extreme illness or any other emergency which necessitates an extension of time, the student may petition the Academic Standards Committee through the instructor. Students shall not be permitted to graduate until all incompletes are removed.

Scholarship Standards

Good Standing: "Good standing" indicates that a student is eligible to continue or to return and is free from financial obligation to the college and from disciplinary action. A student under academic or disciplinary disqualification is not eligible to receive a statement of "good standing" on transcripts issued by Stanislaus State College.

Probation: A student whose grade point average, based upon all units attempted at Stanislaus State and/or upon units completed at other colleges, falls below a 2.0 (C) will be placed on probation.

Disqualification: Students who fall into the following categories will be subject to dismissal and their records will be reviewed individually:

1. Where a student earns an overall and/or a SSC grade point deficiency of 10 grade points or more.
2. Where a student fails to earn at least a 1.0 (D) grade point average during any one semester.
3. Where a student for three consecutive semesters has an accumulative and/or SSC grade point average of less than 2.0 (C).
4. Where a student admitted or readmitted on probation fails to earn a 2.0 (C) average or above during the first semester of his attendance and/or fails to remove his grade point deficiency within two semesters following his admission or readmission.

Readmission

A student may apply to the Office of Admissions and Records for readmission after disqualification upon completion of the period of disqualification.

Grade Reports to Students

A report of the final grades assigned in classes is sent to each student at the conclusion of each semester.

Transcripts

Official transcripts of courses attempted at Stanislaus State College are issued only with the written permission of the student concerned. Partial transcripts are not issued. A student is entitled to one free transcript; a fee of \$1.00 for each subsequent transcript issued must be received before the record can be forwarded. Transcripts from other institutions which have been presented for admission or evaluation become a part of the student's permanent record and are not reissued or copied for distribution. Students desiring transcripts covering work attempted elsewhere should request them from the institution concerned.

Course Numbering System

3000-3999

Upper Division courses typically taken by Juniors

4000-4999

Upper Division courses typically taken by Seniors

5000-5999

Graduate Level courses

Right of Petition

Students have the right to petition any academic action taken by the college in accordance with established regulations. When a problem arises where this petition right should be exercised, the student should be referred to the Office of Admissions and Records. He will be permitted to file a petition on a form designated for this purpose. All petitions must first be reviewed and signed by the student's major adviser.

GENERAL REQUIREMENTS FOR DEGREES

Application for Graduation

Candidates for graduation should submit an application for graduation when two semesters remain to complete all requirements for the degree concerned. In no case should students apply later than the date indicated in the college calendar.

Residence Requirements

All students who are admitted beginning Fall 1962, or who are readmitted beginning Fall 1962 after a leave of absence of more than one semester, must complete 24 residence units at this college as a requirement for all degrees; twelve of these residence units must be completed among the last 20 units taken in fulfillment of degree requirements. (For the B.E. degree, 12 residence units must be secured after the completion of 90 semester units.)

Faculty Approval

A favorable vote of the faculty, in addition to approval of the major adviser and the department and/or the division concerned, is required before the College may award a degree.

Graduation With Honors

Candidates for the Baccalaureate degree who complete their undergraduate programs with a 3.5 (B+) cumulative grade point average and a 3.5 Stanislaus State College grade point average are graduated "With Honors."

General Requirements for the Bachelor of Arts Degree

1. General Education - 45 units, distributed in the following manner:
 - a. Social Science - 9 units (including the following subjects)
 - (1) United States History and Constitution
 - (2) California State and Local Government
 - (3) Courses in at least two of these fields: Anthropology, Economics, Geography, History, Political Science, Sociology, and similar fields.
 - b. Natural Science - 9 units (excluding Mathematics, but including the following subjects)
 - (1) Life Science
 - (2) Physical Science
 - c. Humanities - 9 units (including the following units and subjects)
 - (1) Oral and Written Expression - 3 units (Courses in both oral and written expression are strongly recommended.)
 - (2) Literature, Philosophy or the Arts - 6 units (including at least 3 units in literature or philosophy)
 - d. Health and Physical Education - 2 units
 - e. General Psychology - 2 units
 - f. Additional units in the above five subject areas to total 45 units in general education subjects - 14 units (Units taken in mathematics and family life education may be counted; a maximum of six units in foreign language may also be counted)

2. Liberal Arts

- a. Completion of 24 additional units outside the major field, as approved by the major adviser and the department and/or division concerned. Only courses within creative arts, humanities, social science, and science and mathematics may count toward fulfillment of this requirement.
- b. Twelve of these units must be in upper division course work taken after advancement to upper division standing.
- c. All of these units must be exclusive of units counted toward fulfillment of General Education requirements; units in a liberal arts minor may count toward fulfillment of this requirement.

3. Major

- a. Completion of 24 to 36 units as specified by department requirements in one of the following fields:
 - (1) Creative Arts, with art or music emphasis.
 - (2) Business, with concentration in accounting, management, or marketing.
 - (3) Foreign Language, with emphasis in Spanish. German and French majors who began prior to Fall 1962 shall be allowed to continue in these majors.
 - (4) Humanities, with emphasis in literature, rhetoric-criticism, speech-drama, or speech correction-audiology.
 - (5) Science and Mathematics, with emphasis in biology, zoology, mathematics, general physical science, chemistry, or physics.
 - (6) Social Science, with emphasis in general social science, history, political science, or sociology-anthropology.
 - (7) Elementary Education. This program is limited to students who are already in the process of completing a B.A. - Education degree and who cannot complete an academic major within the 124 units required for a degree.
- b. All course work taken for fulfillment of this requirement is subject to the approval of the major adviser and the department and/or division concerned.
- c. Twenty-four units in course work taken for fulfillment of this requirement must be exclusive of units counted toward fulfillment of General Education requirements.
- d. Eighteen to 24 units specified by Department/Division requirements must be in upper division course work taken after advancement to upper division standing.

4. Minor

- a. Completion of 12 units in a subject area acceptable to the major adviser, and the department/division concerned.
- b. Six of these units must be in upper division course work taken after advancement to upper division standing.
- c. Units in a liberal arts minor may count toward fulfillment of the General Education and/or liberal arts requirements.
- d. This requirement may be satisfied by meeting the elementary teaching credential requirements. Elementary education majors are required to complete two academic subject minors.

5. Total Unit Requirement

- a. A minimum of 124 units are required for the degree; forty of these units must be in upper division course work taken after advancement to upper division standing.
- b. The General Education, Liberal Arts, Major and Minor requirements allow for 7-31 additional units in electives to count toward fulfillment of the 124 unit requirement.

6. Grade Point Average Requirements.

- a. A 2.0 (C) overall grade point average in all transferable college courses attempted is required for the degree.
- b. A 2.0 (C) grade point average in all courses attempted at Stanislaus State College is required for the degree.
- c. A 2.0 (C) grade point average in all courses attempted in the major field of study is required for the degree.

General Bachelor of Education Degree Requirements

1. Completion of a minimum of 90 semester units of standard college work is required for candidacy.
2. Possession of a California Provisional Kindergarten-Primary or Provisional General Elementary Credential is required for candidacy.
3. This program is limited to students who have already started work toward the B.E. degree and who have too few units remaining to qualify for an academic major or two minors.
4. Completion of General Education requirements is required for the B.E. degree.
5. Satisfactory completion of 124 units, at least 24 of which must be in residence at Stanislaus State College, is required for the B.E. degree by State regulations. At least 12 of these units must be secured after the completion of 90 semester units.

Special Divisional and Departmental Requirements

Students should consult their departmental adviser for current divisional and departmental requirements.

Master's Degree

The Trustees of the California State Colleges are developing a master curriculum plan for all of the state colleges in California. One facet of this plan will involve Master's Degrees.

Students will be kept advised of information concerning the development of this plan as the information is made available to the college.

COURSE DESCRIPTIONS

Pre-requisites

ART

3551. Art History I (3) F
An interpretational analysis of the art forms from prehistoric times through the Roman and Gothic eras.
3552. Art History II (3) S
An interpretational analysis of the art forms from the Renaissance and subsequent eras to today's contemporary art.
3553. Art Experience in the Elementary School (2) F, S
Study of variety of arts and crafts as an integral need in the daily lives of children. Emphasis on the arts and crafts as means toward a more valuable school curriculum.
3554. Essentials of Visual Expression I (2) F
An introduction to the fundamental concepts and experiences of visual aesthetic expression with emphasis on the design qualities inherent in two dimensional experiences.
3555. Essentials of Visual Expression II (2) S
An introduction to the fundamental concepts and experiences of visual aesthetic expression with emphasis on the design qualities inherent in three dimensional experiences.
4560. Individual Studies in Art (1-4)
5560. Individual Graduate Studies in Art (1-4)

STUDIO BLOCK

3556. Studio in Painting I (2) F, S
Problems in expressive and communicating esthetically significant statements in the various painting media.
4556. Studio in Painting II (2) F, S
Advanced problems in expressive and communicating esthetically significant statements in the various painting media.
3559. Studio in Pottery and Ceramics I (2) F, '63, S '64
4559. Studio in Pottery and Ceramics II (2) F, '63, S, '64
Clay as a creative material modeling, sculpture, the wheel, decorating, glazing and firing.

APPRECIATION BLOCK

4561. The Arts in Contemporary Society (3) F, S, SS
Character and function of contemporary art in today's society. Aesthetic factors in design objects for mass production and consumption; critical appreciation and an understanding of recent trends in visual art.
4565. Painting for Non-Majors (2) F, S, SS
Exploration in the various painting media for those enjoying aesthetic creative experiences.

BUSINESS

3210. Intermediate Accounting I (3) F

A critical review of accounting theory in its application to income determination and presentation of financial position for the business firm. Prerequisite: Principles of Accounting II.

3211. Intermediate Accounting II (3) S

A continuation of Intermediate Accounting I with particular emphasis on the accounting for facilities investment, borrowed and equity capital, and managerial analysis of financial data. Prerequisite: 3210, Intermediate Accounting I.

3231. The Process of Management (3) F

Study of the role of the business manager in achieving the objectives of the firm. Emphasizes: planning, organizing, directing, staffing, and controlling. Prerequisite: Principles of Economics II; Junior standing.

3234. Business Organization and Management (3) S

Critical analysis and comparison of the traditional approaches to management and the findings of modern research in this area. Prerequisite: 3231, The Process of Management.

3240. Principles of Marketing (3) F

Examination of the marketing process with emphasis on the management point of view. Consideration is given to the role played by marketing in the economy, the dynamics of consumer motivation and behavior, and the problems confronted by the business firm in the establishment of an overall marketing program. Prerequisite: Principles of Economics II; Junior standing.

3245. Marketing Strategy (3) S

Analysis of the marketing tasks of the firm. The work of the marketing manager, the role of research, the elements of the overall marketing strategy: price, product, promotion and channel policies. Prerequisite: 3240, Principles of Marketing; 3702, Managerial Economics.

3246. Human Elements of Business (3) S

Study of the human resources of business organizations and the human relations involved in their administration. Prerequisite: 3702, Managerial Economics.

4210. Advanced Accounting (3) F

Application of accounting principles to the accounting for partnerships, installment sales, consignments, insolvency, estates, trusts and business combinations. Prerequisite: 3211, Intermediate Accounting II.

4211. Managerial Accounting (3) F

A study of the use and analysis of accounting and financial data by management for planning, control and decision-making. Prerequisite: Principles of Accounting II; Junior standing (non-accounting majors only).

4212. Cost Accounting (3) F

A comprehensive study of the principles and objectives of cost accounting, with particular emphasis on its use in managerial planning, control and decision-making. Prerequisite: Principles of Accounting II; Junior standing.

4213. Cost Analysis and Control (3) S

A study of the techniques of cost analysis and control, including budgeting, estimated and standard costs, distribution and administrative costs, differential costs, profit planning, direct costs, and pricing policies. Prerequisite: 4212, Cost Accounting

4214. Auditing (3) S

A broad study of standards and procedures applicable to the financial examination of business records, including a consideration of the field of public accounting, professional ethics, internal controls, preparation of working papers and audit reports. Prerequisite: 3211, Intermediate Accounting II; 4212, Cost Accounting.

4216. Income Tax Accounting (3) S

A study of the history and philosophy of current federal income tax law and the procedures for determining the income tax liability of individuals and business firms. Prerequisite: Principles of Accounting II.

4229. Marketing Institutions (3) F⁶² and alternate years

Study of the role of wholesale and retail institutions in the economy, and the functions they perform in the distribution of goods from the producer to the ultimate consumer. Prerequisite: 3245, Marketing Strategy.

4230. Business Finance (3) S

Consideration of the problems of business financial management. Covers topics such as: the finance function; sources and uses of funds; cost of capital; capital structure. Prerequisite: 3702, Managerial Economics; 4211, Managerial Accounting or 3210, Intermediate Accounting I.

4233. Business Policy (3) S

Analysis of problems of the business enterprise from the standpoint of the chief executive. Consideration of major company objectives, policies and programs. Prerequisite: Open only to Seniors in Business.

4236. Production Management (3) S⁶⁴ and alternate years

Consideration of the multiplicity of operating decisions which confront the managerial and supervisory personnel who are responsible for the production function. Production planning and control; product development; simplification, and standardization; procurement; materials handling; methods improvement; impact of technological change. Prerequisite: 3231, The Process of Management.

4242. Sales Management (3) F⁶³ and alternate years

Planning, direction, and control of sales personnel and sales promotion activities. The subject is approached not as an end in itself, but as an integral element of the overall marketing program of the firm. Prerequisite: 3242, Marketing Strategy.

4243. Problems in Marketing Management (3) S

Analysis of current problems in marketing with emphasis on problem solving and decision making. Extensive use of business cases. Prerequisite: 4229, Marketing Institutions or 4242, Sales Management.

4244. Business Research (3) F

Methods and materials of research in business. Sources of information. The role of research in business. Study of both qualitative and quantitative methods. Each student will carry out a selected research study. Prerequisite: 4613, Statistics and Probability.

4250. Advanced Business Law (3) F

Study of the law of business, with particular emphasis on the laws relating to personal property, bailments, negotiable instruments, partnerships, corporations, real property and insurance. Prerequisite: Business Law course in Business Law.

4262. Personnel Management (3) S '64 and alternate years

Study of policies and practices which are designed to optimize human relationships within the organization. Recruitment, selection and training; job analysis and evaluation, transfer and promotion of employees, wage and salary administration, and labor turnover. Prerequisite: 3246, Human Elements of Business.

4266. Individual Study (1-4)

Prerequisite: permission of instructor

CHEMISTRY

3660. Chemistry for Teachers I, II (3-3) F, S
Principles of Chemistry, introduction to physical, inorganic and organic chemistry.
3661. Chemistry for Teachers: Laboratory I, II (1-1) F, S
The tools and modern methods of chemistry with emphasis upon laboratory techniques. A laboratory course.
3662. Organic Chemistry I, II (4-4) F, S
Aliphatic and aromatic compounds. Heterocyclic compounds and natural products. Prerequisite: Inorganic chemistry. Lectures and laboratories.
4699. Individual Study in Chemistry (2-4) F, S
Topics in advanced organic chemistry, biochemistry, or history of chemistry. Prerequisite: Permission of the instructor.

ECONOMICS

3700. Concepts of Economics (3) F

Intensive survey of economic principles at an advanced level. Not acceptable for upper division credit for Economics majors. Acceptable as prerequisite to other Economics courses.

3702. Managerial Economics (3) F

This course is designed to develop the student's ability to understand and to employ those concepts, tools, and methods of economic analysis which bear directly on the management of a business firm in a free enterprise economy. Consideration is given to: the basic characteristics of the business firm, types of competition, mechanics of profit maximization, demand analysis, cost analysis. Prerequisite: Economics II; Junior standing.

3706. Money and Credit (3) S'64

Commercial banking; Federal Reserve System; credit creation and monetary theory. Prerequisite: Concepts of Economics or equivalent.

4701. History of Economic Thought (3) S'63

Economic ideas from the mercantilists to the present time. Prerequisite: Concepts of Economics or equivalent.

4704. Industrial Organization and Public Policy (3) S

Public policies relative to stimulus and control of industry and commerce. Prerequisite: Concepts of Economics or equivalent.

EDUCATION

Requirements for specific credentials are outlined in detail in materials available in the Division of Education Office. Students are asked to contact the Division of Education secretary for information about credentials. The upper division and graduate courses listed below apply toward credentials.¹ Additional courses to satisfy credential requirements are planned for Summer Session. Consult with the Summer Session Catalog.

3300. Introduction to the Credential Program (no credit) F, S
Required of all students beginning a credential sequence.²

3310. Learner and Society (6) F, S
Study of the sociological and psychological foundations of education. Required of all credential candidates. Includes guided observations. Prerequisite: Education 3300, or concurrent registration. Late afternoon and evening students register for 3311 and 3312.

3311. Sociological Foundations of Education (3) F
Analysis of societal factors that affect education; effect of education on society. Includes guided observations. Prerequisite: Education 3300, or concurrent registration. May not be taken for credit by persons who have had Education 3310.

3312. Psychological Foundations of Education (3) S
Study of growth and development and the learning process. Includes guided observations. Prerequisite: Education 3300, or concurrent registration. May not be taken for credit by persons who have had Education 3310.

4316. Scope and Function of Public Education (3) F, S
The role of the school; principles of elementary and secondary education; organization of public education; modern curricula in elementary and secondary schools; guided observations and participation. Required of all credential candidates. Prerequisite: Education 3310, or concurrent registration.

4320. Elementary School Curriculum, Materials and Methods (7) F, S
A detailed study of the instructional program, including all statutory and commonly taught subjects. Taken concurrently with 4326. Prerequisite: Education 4316, Art 3553, and Music 3571, plus admission to credential candidacy.

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1. The continuation of a course during the fall or spring depends upon sufficient enrollment, or need for the course.
 2. Students who need to improve oral communication skills should register for Speech 3592, 3596, or 3598, before or concurrently with registration in their first courses in Education.

Teaching in the Elementary School³

Each course in this series provides intensive study of the content, methods, and materials used in grades kindergarten through eight. Courses in this series are for teachers with five or less years of experience and are offered during late afternoon and evening. Secure approval of adviser before registering. May not be taken for credit by persons who have had Education 4320.

- 4321. Reading in the Elementary School (2) F
- 4322. Social Studies in the Elementary School (2) S
- 4323. Language Arts in the Elementary School (2) F
- 4324. Science in the Elementary School (2) F
- 4327. Arithmetic in the Elementary School (2) S

4326. Student Teaching in the Elementary School (8) F, S
Supervised classroom teaching, including full-time teaching. Taken concurrently with Education 4320, or by special arrangement. Prerequisite: Education 4316, plus admission to credential candidacy.

4330. Health and Physical Education in the Elementary School (3) F
Study of physical and mental health; physical fitness programs; school and community responsibilities for health and physical fitness. Prerequisite: Education 3310. May be audited by persons who have taken Education 4320.

4332. Methods of Teaching Foreign Languages (2) S
Study of methods and materials used in the audio-lingual approach to teaching foreign languages. Prerequisite: Education 3310, plus approval of instructor; competency in one foreign language equivalent to completion of two years of college instruction.

4333. Organization and Use of Instructional Materials (2) F
Use of libraries, instructional materials centers, and audio-visual materials and equipment, including radio and television. Meets State requirement. Includes the preparation of resource files. Prerequisite: Education 4316, or approval of adviser.

4351. Educational Tests, Measurement and Evaluation (2) F
Construction of tests for classroom use; selection and use of standardized tests; statistical measurement in education; evaluation of progress. Prerequisite: Education 4316, and study of curriculum, materials, and methods completed, or concurrent registration.

4352. Fundamentals of Counseling and Guidance (2) S
Introduction to educational counseling and guidance; practice of techniques applied commonly in elementary and secondary schools. Prerequisite: Education 4351, or approval of adviser.

4394. Education of Exceptional Children and Youth (3) F
Study of physical, mental, social and emotional deviations among children and youth; community resources; educational adjustments. Prerequisite: Education 3310.

4395. Education of Gifted Children and Youth (2) S
Research findings on the nature of differential aptitudes; identification of children and youth with unusual abilities; program adaptations. Prerequisite: Education 3310.

3. See Music 3571 for Music in the Elementary School, and Art 3553 for Art in the Elementary School.

Graduate Courses

5309. Secondary School Curriculum, Materials and Methods (6) F,S
Detailed study of curriculum, materials, and methods applicable in secondary schools, includes audio-visual methods and materials. Prerequisite: Education 4316. Daytime students register for 5309; late afternoon and evening students register for 5310 and 5311.*
5310. Secondary School Curriculum, Materials, and Methods (3) F, S
See description under 5309.
5311. Secondary School Curriculum, Materials and Methods (3) F, S
See description under 5309. Prerequisite: Education 5310.
5313. History and Philosophy of Education (3) S
Study of the historical and philosophical foundations of modern education. For elementary and secondary teachers; required of students beginning work for supervisory and administrative credentials. Prerequisite: Graduate standing, or approval of adviser.
5326. Directed Teaching in Secondary Schools (6) F, S
Cooperative district and college supervision of student teaching in major and minor fields. Prerequisite: Education 5309, or equivalent, plus admission to credential candidacy.
5328. Curriculum Planning and Development (3) F
Planning and developing the instructional program; value structure related to the curriculum; research data; roles of individuals and groups; evaluation of total programs. Prerequisite: Graduate standing, plus admission to credential candidacy.
5370. School Organization and Administration (3) F
Organization, responsibilities, and relationships within school systems, and the profession. Includes study of federal, state, county, and district school organization. Prerequisite: Graduate standing, plus admission to credential candidacy.
5371. Supervision of Instruction and Personnel Administration (3) S
Study of techniques and practices used to improve instruction; selection and assignment of personnel, orientation of new faculty, inservice education; evaluation of services, professional ethics. Prerequisite: Education 5328.
5372. Advanced School Administration (3) S
An intensive study of rural and urban school systems, including an introduction to school law, personnel assignments, public school finance, housing, adult education, and other essential aspects of school administration. Prerequisite: Education 5370.
5390. Research in Education - Thesis (2-4)
Thesis writing for the Master of Arts degree. Prerequisite: Committee acceptance of proposed research study.

*Continuation of Education 5309 depends upon sufficient enrollment.

5391. Work Experience in Education (2-6)

Actual work experience in the field for which student is seeking credential. Joint supervision by district and college. Prerequisite: Approval of Division Chairman.

Work Experience in (A) School Administration F, S

Work Experience in (B) School Supervision F, S

Work Experience in (C) Pupil Personnel Services F, S

5392. Individual Graduate Study (2-4) F, S

For graduate students in need of courses in education not offered in the regular program of the college. Prerequisite: Approval of Division Chairman.

5393. Seminars

These seminars are for students working toward advanced credentials.

Seminar A: School Supervision and Administration (2) F, S

Case study analysis of practical problems in school administration and supervision. Open to practicing school administrators and supervisors. Required of students registered in 5391 A and B. Prerequisite: Approval of instructor.

Seminar B: Pupil Personnel Services (2) F, S

Study of current problems and practices in pupil personnel services; includes study of organization and administration of pupil personnel services. Open to practicing personnel and required of students registered in Education 5391 C. Prerequisite: Approval of instructor.

Pupil Personnel Credential

See also offerings in Department of Psychology and Sociology.

WORKSHOPS ARE OFFERED DURING THE SUMMER IN AREAS OF THE CURRICULUM TAUGHT COMMONLY IN ELEMENTARY AND SECONDARY SCHOOLS.

ENGLISH

3500-3501. English Literature I, II (3-3) F, S

A survey in depth of important works in English literature drawn from each of the major genres. First semester: works drawn from the period before 1800. Second semester: works drawn from 1800 to the present.

3510. Advanced English Composition-Usage (3) S

Composition on an advanced level. Includes a survey of English usage and instruction in the rhetorical devices of fiction and non-fiction.

3520-3521. American Literature I, II (3-3) F, S

A survey of American literature from its beginning to the present. First semester: beginning to 1865. Second semester: 1865 to the present. Contributory history and philosophical background are also considered.

3522. Early British Fiction (3) F'63

A survey of British fiction from its beginning to 1890.

3523. Modern British Fiction (3) F'62, S'64

A study of British fiction from 1890 to the present.

3524-3525. American Novel I, II (3-3) F, S

A survey of the American novel from its beginning to the present. First semester: beginning to 1890. Second semester: 1890 to the present.

4500-4501. Shakespeare I, II (3-3) F, S

Interpretation and analysis of the plays of Shakespeare. First semester: comedies and history plays. Second semester: tragedies.

4502-4503. English Drama I, II (3-3) F, S 63-64

A study of the development of the English drama. First semester: from the beginning in the church to the Restoration. Second semester: from the Restoration to the present.

4513. American Folk Literature (3) F'62

A study of the folk literature heritage of America, with special emphasis in the latter part of the semester on California folk literature.

4522. American Drama (3) F'63

A study of the development of the American drama from the seventeenth century. Major emphasis on modern American drama.

4525. History of the English Language (3) S

A study of the English language from its earliest origins to its present form.

4571. Introduction to Literary Criticism (3) F

A survey of the major theories of literature with special emphasis upon current critical writings and practices. Includes practical work in the writing of criticism. This course is a prerequisite for English 4590: Creative Writing.

4590. Creative Writing (3) S

A study of the various types of writing as a means of student expression. Includes practical work in writing. Prerequisite: English 4571: Introduction to Literary Criticism.

4591. Journalism, Theory and Application (2) F

A lecture course primarily dealing with the theory and practical application of news writing; editing, headline writing; makeup, and ethics of the Journalism profession. Prerequisite: Permission of instructor and concurrent enrollment in Student Publications (Newspaper 4597).

4597. Student Publications (1) F, S

Two hours a week of directed activity in newspaper or yearbook production using the student periodical as a laboratory.

4599. Individual Study (2-4) F, S

For students in need of advanced or specialized courses not currently offered. Approval of the instructor is required for registration.

Graduate Courses

5523. Seminar in English Literature (3) F'62

Selected advanced work in a chosen phase of English literature.

5524. Seminar: American Realism and Naturalism (3) F'62

A concentrated study of the literature of the late nineteenth and early twentieth century in America.

5525. Seminar: America, 1918-1940 (3) S'63

A concentrated study of the literature between 1918 and 1940 in America.

5590. Methods and Materials of Research (3) S

A study of the methods of graduate research and the materials available for such research. Required for the preparation of the master's thesis in the field of English.

5599. Individual Graduate Study (2-4) F, S

For students in need of advanced or specialized courses not currently offered. Approval of the instructor is required for registration.

FRENCH

The following courses in French language and literature will constitute an academic minor.

All courses will be conducted primarily in French. Tapes and a listening room will permit students to improve their conversational skills. Practice in writing French and further instruction in grammar will be given, according to the needs of the class and the individual.

Prerequisite for all courses: 12 units of College French or consent of instructor.

3528. Survey of French Literature I: before 1750 (3) F '62
Emphasis on the seventeenth century dramatists.

3529. Survey of French Literature II: 1750-1920 (3) S '63
From Voltaire to the pre-World War I writers.

4528. La France Moderne (3) F '63
Survey of France's cultural, economic and political aspects since the rise of the Third Republic. Readings in French periodicals and a variety of general works. Recommended for students preparing for graduate language examinations. Prerequisite: 3528 or equivalent.

4529. Les Ecrivains Contemporains (3) S '64
French writers since 1920 who have influenced modern thought: Gide, Rolland, Proust, Sartre, and others.

GERMAN

All courses will be conducted primarily in German. Tapes and a listening room will permit students to improve their conversational skills. Practice in written German and further instruction in grammar will be given, according to the needs of the class and the individual.

4535. German IIA-B, Advanced (3-3) F, S
Survey of German literature. Prerequisite: German IA-B or consent of instructor.

4541. German: Individual Study (2-4) F, S
Areas of study: Science Reading, Contemporary German Literature, History of German Literature and Culture, German Today, (reading of German newspapers, periodicals, conversation and listening to original recordings of poetry and drama). Prerequisite: Consent of instructor.

HISTORY

3720. California History and Geography (3) S'63
Environment, Spanish exploration and settlement, political, economic and social developments which give California its unique character.
3722. American Constitutional History (3) S'64
English and colonial origins, the American Revolution, Constitutional Convention and ratification; and the resolution of basic issues of political, economic, social and personal liberty in the course of American history since 1789.
3723. American Diplomatic History (3) F'62
U. S. foreign relations from Washington's administration to the present.
3728. The United States, 1783-1865: The New Nation (3) F'63
The Constitutional frame; Federalist era; Republican supremacy and the rise of nationalism; economic and social expansion; sectionalism, slavery, and the Civil War.
3735. England and Her First Empire (3) F
Survey of the political, religious, social and economic changes of the English state and the First Empire, from the establishment of Tudor absolutism to American independence, 1485-1783.
3736. Great Britain and the Empire-Commonwealth (3) S
Britain in the nineteenth and twentieth centuries, emphasizing political, social and economic development and the changes in Empire and Commonwealth.
4724. American Intellectual and Social History (3) S'63
Changes in American thought and conduct from colonial days to the present.
4725. Colonial America: 1492-1783 (3) F'63
Discoveries and explorations of North America; background of English expansion and colonial settlement; political, religious, economic and social development of the British colonies; the revolution and independence.
4728. The United States, 1865-1914: Reconstruction and the Age of Big Business (3) F'62, F'64
Liquidation of the Civil War; rise of modern industrial power; business consolidation and national politics; emergence of the "New South"; immigration, labor and urban problems; the farmer's "revolt"
4729. U. S. History Since 1914 (3) S'63
Intensive study of American political, economic and social changes in the twentieth century.
4731. Europe, 800 to 1500 (3) F'62
Europe from medieval times to the Reformation.
4732. Europe, 1500 to 1789 (3) S'63
Early Modern Europe from the Reformation to the outbreak of the French Revolution.
4733. Europe in the 19th Century (3) F
Growth of modern national states, their international conflicts and colonial rivalries.

4734. Europe in the 20th Century (3) S
The world wars and the search for collective security; the Cold War and the quest for Western solidarity.
4737. Modern Germany(3) F'62
Germany since the 18th century, with emphasis on her key role in Europe since 1871.
4738. Modern Russia (3) S'63
Russia since the 18th century; the Soviet Union as a world power.
4742. Modern Asia (3) S'64
Decline of the colonial empires; rise of Asian nationalism.
4746. Science, Technology and Society Since 1787 (3) S'63
Growth of science and technology, and their influence on modern life and thought.
4748. Individual Study (2-4)
An opportunity for the student to acquire depth in a field to which he has already had an introduction. Prerequisite: Consent of instructor.

Graduate Courses

5721. Problems in United States History, 1783-1865 (3) F'63
Familiarizes the student with monograph and periodical materials through the problem approach. Prerequisite: 6 units in U. S. History.
5722. Seminar in United States History Before 1865 (3) S'63
Seminar research in colonial and early United States History. Prerequisite: 12 units in United States History and consent of instructor.
5723. Problems in United States History Since 1865 (3) F'62
See History 5721
5724. Seminar in United States History Since 1865 (3) S'64
Seminar research in recent United States History. Prerequisite: 12 units in United States History and consent of instructor.
5731. Problems in European History Before 1789 (3) S'63
Familiarizes the student with monograph and periodical materials through the problem approach. Prerequisite: 6 units in European History.
5732. Seminar in European History Before 1789 (3) F'62
Seminar research in European History. Prerequisites: 12 units in European History and consent of instructor.
5733. Problems in European History Since 1789 (3) S'64
Seminar research in European History. Prerequisite: 6 units in European History.
5734. Seminar in European History Since 1789 (3) F'63
Seminar research in European History. Prerequisites: 12 units in European History and consent of instructor.
5748. Individual Graduate Study (2-4)
An opportunity for the graduate student to acquire depth in a field, or to broaden his training. Prerequisite: Consent of instructor, obtained before registration.
5749. Thesis (2-4)
Under the general direction of his major professor, the graduate student will prepare a research study, based on original sources.

LIFE SCIENCES

3630. Concepts of Life Sciences (3) F, S

A general education survey course designed for non-science majors. Includes the basic principles and interrelationships of living organisms. No prerequisites.

3632. Principles of Entomology (3) S

Studies in the classification, life history, structure, and basic physiology of insects. Prerequisites: General Biology; General Zoology; or equivalent. (2 lecture, 3 laboratory hours)

3634. Comparative Vertebrate Embryology (4) F

Comparative study of the development of several representative vertebrate forms. Prerequisites: General Zoology (1 year) (2 lecture, 6 laboratory hours)

3635. Comparative Vertebrate Anatomy (4) S

Gross dissection and comparison of organ systems in representing vertebrates. Prerequisites: General Zoology (1 year) (2 lecture, 6 laboratory hours)

3636. Genetics and Evolution (3) F

An introduction to the mechanisms of inheritance and the factors that underlie the evolution of living things. Prerequisites: General Biology or equivalent. (3 lecture hours)

3637. Physiology (3) S

Human physiology as illustrated by the study of the functions of representative vertebrates. Prerequisites: General Biology or equivalent; one semester of chemistry is recommended. (2 lecture, 3 laboratory hours)

3640. Principles of Plant Anatomy (3) F'63

Morphology, anatomy, and reproductive cycles of plants. Prerequisites: General Biology; General Botany; or equivalent. (3 lecture hours)

3641. Flowering Plants of California (3) S

An introduction to the kinds, taxonomic relationships and classification of local flowering plants with practice in their collection and identification.

3642. Principles of Plant Physiology (3) S'64

An analysis of selected topics pertaining to the metabolism nutrition, and growth of plants. Prerequisites: Principles of Plant Anatomy and organic chemistry or by permission of the instructor. (3 lecture hours)

4630. History of Biology (3) F

The rise and development of Biological theories and laws. Prerequisites: one year of upper-division Biology. (3 lecture hours)

4632. Invertebrate Zoology (5) F'62, S'63

Structure, classification, distribution and life histories of the invertebrates. Prerequisites: one year of Zoology. (3 lecture, 6 laboratory hours)

4641. Ecology (3) F'62

An introduction to the interrelation of plants and animals with their environment. Prerequisite: 3630 or equivalent.

4650. Histological Technique (3) F

Principles and practice in the methods of preparing tissues for microscopic study. Prerequisites: 2 years of Biology. (1 lecture, 6 laboratory hours)

4651. Individual Studies (2-4) F, S

By permission of the instructor only.

Graduate Courses

5650. Individual Graduate Study (2-4) F, S.

By permission of the instructor only.

5651. Graduate Seminar (2-4) F, S.

MATHEMATICS

3611. Foundations of Mathematics I. (3) F
A fundamental understanding of elementary school arithmetic through a study of the set-theory and its applications of a structure of the arithmetic system; a review of basic principle and S. M. S. G. method. (Recommended for teachers of public school and for teaching major or minor in mathematics.)
3612. Foundations of Mathematics II. (3) S
Continuation of 3611. Foundations of Algebra and Geometry and their logical development. (Recommended for teachers.)
3620. Advanced Calculus I. (3) F'63
Limits and continuity, functions of several variables, infinite series and power series, Jacobians, implicit function theorem, La Grange multipliers, transformation of multiple integrals, surface integrals, gamma function, elliptic integrals. Prerequisites: Analytic Geometry and Calculus.
3621. Advanced Calculus II. (3) S'64
Continuation of 3620. Fourier series, Bessel functions, error function, Riemann-Stieltjes integrals, Lebesgue-Stieltjes integration. Prerequisite: 3620.
3623. Theory of Numbers. (3) F'62
Euclid's algorithm and the fundamental theorems on divisibility; prime numbers, congruence of numbers, theorems of Fermat, Euler, and Wilson, congruence of the first and higher degrees, La Grange's theorem and its applications, residues of power, quadratic residues, introduction to the theory of binary quadratic forms. Prerequisites: Analytic Geometry and Calculus; junior standing.
3625. Differential Equations I. (3) F'62
Special equations, exact equations, linear equations, series solutions, numerical solutions, Laplace transformations, and operational methods. Prerequisites: Analytic Geometry and Calculus.
3626. Differential Equations II. (3) S'63
Continuation of 3625. Bessel's equation and functions, introduction to partial differential equations, boundary value problems, Legendre polynomials, spherical harmonics, Poisson integral formula, Green's functions.
4613. Statistics and Probability. (3) F
An introductory course in statistics designed for students in the social and natural sciences. Organization and presentation of data; frequency distributions; computation of descriptive constants; fundamentals of distributions, probability, and analysis and interpretation of data.
4615. Inferential Statistics. (3) S
Organization and presentation of data, computation of descriptive constants; normal and binomial distributions, normal probability function, tests of hypotheses, power of tests, statistical inference, and regression analysis. Prerequisites: College Algebra & Statistics & Probability.

MUSIC

3569. Piano for Classroom Teachers (2) F, S
Basic piano and elements of musical theory.
3571. Music in the Elementary School (2) F
Aims, methods and organization of materials for music of the elementary school. Prerequisite: Elements of Music or 3569 (Piano for Classroom Teachers.)
3573. Orchestra (1) F, S
Open to all qualified students. Required of music students whose performing medium is an orchestral instrument. (May be repeated with credit.)
3574. Music in the Secondary School (2) S
Aims, methods, and organization of materials for the music program of the junior and senior high school. Prerequisite: Elements of Music or 3569, Piano for Classroom Teachers.
3575. Survey of Opera (2) F, S
Course may be repeated once. One opera will be surveyed in depth, and ten operas will be heard on broadcasts and discussed in class. No Prerequisite. Not open to music majors.
3577. College Chorus (1) F, S
Open to all qualified students. Permission of instructor. Required of music students whose performing medium is voice. May be repeated for credit.
3578. Intermediate Piano (1) F, S
Repertoire of the keyboard. Prerequisite: Permission of instructor.
3579. Intermediate Voice (1) F, S
Vocal repertoire. Prerequisite: Permission of instructor.
3583. Counterpoint I and II (2-2) F, S
Counterpoint I - Modal Counterpoint. Prerequisite: 2 years of harmony.
Counterpoint II - Tonal Counterpoint. Prerequisite: 2 years of harmony.
3584. Arranging (2) F
Development of skills in arranging music for use by school vocal and instrumental ensembles. Prerequisite: 2 years Harmony or equivalent (or permission of instructor)
3585. Conducting I (2) F
Fundamental score reading and baton technique with assignments covering the history and development of the conductor and his place in the world of music including function of group organization. Prerequisite: Consent of instructor.

Instrumental Techniques

3590. Strings (1) F'62
Teaching and playing techniques of violin, viola, cello, bass. Prerequisite: Consent of instructor.
3591. Percussion (1) F'63
Teaching and playing techniques of all the standard percussion instruments. Prerequisite: Consent of instructor.

3592. Brass (1) S'63
Teaching and playing techniques of trumpet, trombone, French horn, tuba. Prerequisite: Consent of instructor.
3593. Woodwinds (1) F'63
Teaching and playing techniques of flute, oboe, clarinet, bassoon. Prerequisite: Consent of instructor.
4569. Collegium Musicum (1) F, S
Open to all qualified students. Vocal and instrumental ensembles in performance of unusual music, emphasizing pre-Bach composers. Prerequisite: Permission of staff.
4571. History and Literature of Music
I - Pre-Eighteenth Century (3) F
II - Eighteenth Century (3) S
III - Nineteenth Century (3) F
IV - Twentieth Century (3) S
Chronological study of the development of music from antiquity to modern times with special emphasis on musical literature.
4572. Individual Study Project (1-4) F, S
Areas of emphasis or specialization not covered in regular course offerings. Registration by permission of staff only.
4578. Advanced Piano (1 or 2) F, S
Placement to be determined by audition and consultation with the music staff. Piano majors may register for two units. Class instruction.
4579. Advanced Voice (1 or 2) F, S
Placement to be determined by audition and consultation with the music staff. Voice majors may register for two units. Studio instruction.
4582. Advanced Instruments (1 or 2) F, S
Instruction on the major orchestral instruments and organ. Open to all qualified students. Music students whose performing medium is an orchestral instrument may register for two units. Studio instruction.
4583. Form and Analysis I and II (2-2) F, S
Development of ability to analyze and work with musical form from the phrase to the symphony. Prerequisite: Two years of harmony or permission of instructor.
4584. Orchestration (2) S
Study of the technical aspects of orchestral instruments and development of skills in scoring for advanced instrumental ensembles. Prerequisite: 3584, Arranging or permission of staff.
4585. Conducting II, Choral (2) S'63
The study and interpretation of style development in the choral literature from Renaissance to contemporary. Prerequisite: 3585, Conducting I.
Conducting III, Instrumental (2) S'64
The interpretation of instrumental scores from the classic era to the present. Prerequisite: 3585, Conducting I.
4587. Composition (2 or 3) S
Original composition in the various forms with opportunity to develop personal musical style. (Permission of staff required) May be repeated for credit.
4589. Modern Harmony (2) F
The study and application of the techniques of harmony from the time of Wagner to the present. Prerequisite: Permission of Instructor.

PHILOSOPHY

3540. Greek Philosophy (3) F'62

Greek thought as the foundation for European philosophy.

3541. Contemporary Philosophy (3) S'63

Major problems and trends in twentieth century philosophy, with special attention to such influential philosophers as Whitehead, Russell, and Dewey.

PHYSICS AND PHYSICAL SCIENCE

(Includes Physics, Astronomy and Geology. Chemistry is listed separately in alphabetical order.)

3680 and 3681. Fundamentals of Physical Science (3-3) F, S

A dynamic survey of science for non-science majors. Selected subjects from astronomy, geology, meteorology, physics, and chemistry are studied. Lectures, demonstrations and field trips.

3689. Individual Study in Physical Science (3) F, S

Subject: History of Physical Science. Prerequisite: 6 units of lower division science.

ASTRONOMY

3685. Fundamentals of Astronomy (3) S '63

A course for non-majors, dealing with selected topics in the development of astronomy; the solar system, and the stars.

GEOLOGY

3681. Fundamentals of Geology (3) F '62

A condensed survey of the structure and materials that compose the outer portion of the earth, and the geologic process responsible for sculpturing the earth of today. A non-technical study of rocks, minerals, fossils; the origin, geologic history and evolution of life on earth.

PHYSICS

3672. Modern Physics (3) F '62

A study of the important developments in Physics arising from the discovery of the electron, X-rays, and radioactivity, etc. Prerequisite: 1 year lower division physics and math 3625.

3673. Heat and Thermodynamics (3) F '63

A study of expansion, transmission, specific heats, temperature, changes of state, kinetic theory, Van der Waal's equations, etc. Prerequisite: Math 3625 and 1 year lower division physics.

3674 and 3675. Intermediate Mechanics I, II (3-3) F, S

A study of the basic principles of mechanics with applications to the central force and harmonic oscillator problems. Study of the statics and dynamics of rigid bodies. Prerequisite: 1 year lower division physics and 3 semesters of calculus.

3676 and 3677. Electricity and Magnetism I, II (3-3) F '63, S '64

Fundamental principles, their application to both direct current and alternating current circuit theory. Introduction to Maxwell's electromagnetic theory of light and radio waves. Prerequisite: math 3625 and 1 year of lower division physics.

4672. Optics (4) S '64

An introduction to the wave theory of light with applications to geometrical optics. The phenomena of interference, diffraction, and polarization. Lecture 3 hours; laboratory 3 hours. Prerequisite: general college physics and math 3625 is strongly recommended.

4673. Individual Study in Physics (1-3)

Open only to students who appear competent to carry on individual work. Prerequisite: Senior standing and consent of the instructor.

4674. Atomic and Nuclear Physics (3) S '63

Black body radiation, photoelectric effect, Compton effect, and accelerators. Regularities in spectra, Bohr model of the atom and Zeeman effect. Prerequisite: Physics 3672.

POLITICAL SCIENCE

3750. Federal, State and Local Governments (3) F, S

A survey course, emphasizing American ideals and political institutions at each level of government. Emphasis in the second part of the course is on California government. Meets U. S. Constitution and California government requirements.

3752. American State and Local Governments (3) S

The governmental institutions, functions, and politics of California compared with the governments of other states. Meets the California government requirement.

3754. Problems in American Government (3) F

An analytical and critical survey of contemporary problems of American government. Meets U. S. Constitution requirement.

4751. American Political Thought (3) F '62

A study of the main trends of American political thinking from colonial times to the present. Prerequisite: Course in American history or consent of the instructor.

4753. International Politics (3) F

An introductory course in international relations, emphasizing the theory and practice of world politics.

4754. United States Foreign Policy (3) S

A study of the governmental machinery for the conduct of American foreign relations; and analysis of twentieth-century foreign policy of the United States with emphasis on the post-World War II period. (Background in recent American history is desirable.)

4755. Ancient and Medieval Political Thought (3) F '63

The historical development of political philosophy from the classical period of Plato and Aristotle to the seventeenth century.

4756. Modern Political Thought (3) S '64

A study of political thought from the seventeenth century to the present, with the emphasis on European philosophers such as Hobbes, Locke, Rousseau, and Marx. Background in European history desirable.

4759. Communism, Fascism, and Democracy (3) S '63

A comparative study of the major contemporary political philosophies, with consideration of the institutions through which these ideologies attempt to realize their objectives. Comparison of theory and practice.

4758. Individual Study in Political Science (2-4)

An opportunity for the student to acquire depth in an area of political science to which he has already had an introduction. Prerequisite: Consent of instructor, obtained before registration.

5758. Individual Graduate Study in Political Science (2-4)

5759. Thesis in Political Science (2-4)

PSYCHOLOGY

3773. Child Psychology (3) F'62

The development of behavior patterns in the normal child from conception to twelve years of age. Prerequisite: General Psychology.

3774. Psychology of Adolescence (3) S'63

An intensive study of the characteristics prominent in the adolescent. Prerequisite: General Psychology.

4772. Mental Hygiene (2) S,

Basic principles of mental hygiene; mental hygiene practices in the school; responsibility of the home, school, and community for the mental health of children and youth. Prerequisite: Education 3310, or approval of adviser.

4773. Mental Deficiency (2) F

The nature and causes of mental deficiency; problems of social control, including education, social adjustment, institutionalization, and community responsibility. Prerequisite: One semester of Psychology; or Education 3310; or approval of adviser.

4775. Psychology of Personality (3) S '64

Biological and cultural determinants of personality; measurement or appraisal of personality traits; the integration of personality. Prerequisite: General Psychology.

4776. Social Psychology (3) F

Inquiry into group dynamics; social interaction and its effects upon the individual and the group. Prerequisite: General Psychology.

4777. Abnormal Psychology (3) F'63

Psychology of abnormal behavior -- neurosis and psychosis, stressing etiology, symptoms, dynamics, diagnosis, and treatment. Prerequisite: General Psychology.

4778. Clinical Psychology (3) S'64

The fundamental concepts of clinical testing, diagnosis, therapy, and research. Prerequisites: General Psychology and Abnormal Psychology or consent of the instructor.

4779. Individual Study (2-4)

An opportunity for the student to acquire depth in a field to which he has already had an introduction. Prerequisite: consent of instructor before registration.

Graduate Courses

5774. Psychological Testing (3) F

Basic concepts of psychological measurement as applied in the construction, evaluation, and use of group and individual tests of intelligence, aptitude, interest, and personality. Prerequisite: Math 4613, Statistics and Probability.

5775. Individual Testing (3) S

The concept of intelligence, including its historical development and current theories. Supervised experience in the administration, scoring, and interpretation of standardized individual intelligence tests. Prerequisite: Psychology 5774, Psychological Testing, and consent of adviser.

SOCIAL SCIENCES

4790. Individual Study in Social Sciences (2-4) F, S

This title is appropriate to study programs covering several disciplines, and primarily for students completing a divisional major.

4792. Social Science Research Methods and Materials (3) F

Lays a broad foundation of bibliography and methods. Critical analysis and evaluation of sources; design of research; questionnaires and interviews; statistical treatment. Required of all majors in any branch of social sciences in their senior year.

Graduate Courses

5790. Individual Graduate Study (2-4) F, S

This title is appropriate to graduate study programs covering several disciplines. Prerequisite: Consent of instructor to act as sponsor prior to registration.

5799. Thesis (2-4) F, S

An interdisciplinary research study, based so far as possible on field research, conducted by the graduate student under the general direction of his major professor.

SOCIOLOGY - ANTHROPOLOGY

3780. Principles of Sociology (3) F

Sociological principles underlying the development, structure, and function of culture, society, human groups, personality formation, and social change.

4781. Industrial Sociology (3) F⁶²

Problems of the urban industrial worker; access to jobs; social stratification; living conditions, etc. Prerequisite: Sociology 3780 or consent of instructor.

4782. Social Welfare and Correctional Work (3) S

A survey course of the organization, concepts and methods used by private and public agencies, with an emphasis on social welfare, probation, and corrections at both the state and local level. Prerequisite: Sociology 3780 or consent of instructor.

4783. Marriage and the Family (3) F⁶²

Nature of the family, contemporary trends and problems in American family life. Prerequisite: Sociology 3780 or consent of the instructor.

4784. Rural and Urban Societies (3) S⁶⁴

Contrasts of traditional rural and urban societies; particularly in the United States; the current trend toward the dispersion of homes and industries to "suburbia." Prerequisite: Sociology 3780.

4787. The Etiology of Crime (3) S⁶³

Social factors and processes in criminal and delinquent behavior; regional, cultural, institutional and group variables; personal and group alienation; social-psychological conditions of criminal careers and organized crime. Prerequisite: Sociology 3780 or consent of instructor.

4788. Individual Study (2-4)

An opportunity for the student to acquire depth in a field to which he had already had an introduction. Prerequisite: Consent of instructor before registration.

4789. Laws Relating to Children and Youth (2) S

Study of educational and statutory regulations relating to children and youth. Prerequisite: Education 3310; or 3311 and 3312; or approval of adviser.

4790. Occupational Analysis and Information (2) F

Sources of occupational information; community and nation-wide surveys; job analyses; procedures for relating vocational and self information. Prerequisite: Education 3310; or 3311 and 3312; or consent of adviser.

4791. Contemporary Sociological Theory (3) S⁶³

A study of contemporary sociological theory including the contributions of Ross, Cooley, Durkheim, Mead, Simmel, Mannheim, Weber, Thomas, Znaniecki, MacIver, Merton, Sorokin, and Parsons. Prerequisite: Principles of Sociology or consent of the instructor.

3793. Indians of California and the Southwest (3) F
Comparative study of the origins, crafts, social organization and relationships of the Indians of this richly varied area.

4795. Indians of the Plains (3) S'63
The historical review of Indians within the Plains cultural area. The comparative analysis of certain primitive groups in this area with members of modern society.

4796. Alaska and the Northwest (3) S'64
Northwest Coast Indian culture; the Eskimos and the Aleuts; Athapascans of the Yukon. Contrasting marine cultures and Arctic cultures.

Graduate Courses

5781. Techniques of Interviewing (3) F
Study of interviewing techniques; demonstrations and practice of approved procedures; examination and use of appropriate materials. Prerequisite: consent of adviser. Education majors must have had Ed. 4352. Required for Pupil Personnel Credential.

5783. Advanced Counseling (3) S
Counseling theory and techniques; materials, records and demonstrations; practice of counseling procedures. Prerequisites: Education majors must have had Education 4352 and 4351 or Psychology 5774. All others must have had Sociology 4782 and Psychology 5774. Required for Pupil Personnel Credential.

5785. Family Counseling and Community Resources (3) F
Study of the dynamics of the relationships of family, community and school; community-wide services, agency-school relationships; family visitations, including conferences, interviews, referrals, and record keeping. Prerequisite Ed. 4352 or Sociology 4783, or approval of adviser. Required for Pupil Personnel Credential.

5787. Case Study and Case Conference Techniques (3) S
Analysis of case studies; study of techniques and procedures used in case study; presentation of cases with critical analysis. Prerequisite: Sociology 5783, or approval of adviser. Required for Pupil Personnel Credential.

5788. Individual Graduate Study (2-4)

SPANISH

The following courses in Spanish language and literature will constitute an academic minor.

All courses will be conducted primarily in Spanish. Tapes and a listening room will permit students to improve their conversational skills. Practice in writing Spanish and further instruction in grammar will be given, according to the needs of the class and the individual.

3550. Spanish for Elementary Teachers I (4) F

Designed primarily for elementary teachers with little or no command of Spanish, this course is taught by the audio-lingual method in a language laboratory. Materials suitable to children and to more advanced beginners are demonstrated and used.

3551. Spanish for Elementary Teachers II (4) S

Continuation of Spanish for Elementary Teachers I, which is a prerequisite to this course.

3553. Advanced Style, Syntax and Grammar (4) F

Careful study of the consistencies of the language. Development of proper style and expression. Study of idiomatic expressions. Selected readings. Required for Spanish majors.

3554. Survey of Latin American Literature (3) F'62

Representative authors and major works from discovery to present times. Prerequisite: 12 units of college Spanish or consent of instructor.

3555. Survey of Spanish Literature Before 1750 (3) F'63

Early period through Golden Age. Conducted in Spanish and English. Consent of instructor.

3556. Survey of Spanish Literature Since 1750 (3) S

Literature from 1750 to present times. Consent of instructor.

SPEECH AND DRAMA

3584. Principles of Speech Correction (3) F

Etiology and treatment of speech disorders including articulatory and voice disorders, cleft palate, foreign dialect and delayed speech; includes guided observations.

3587. Forensics (2) By Arrangement. F, S

Prerequisite: Consent of instructor. Planning and participation under faculty supervision in college sponsored speech and forensics activities. May be repeated once for credit.

3588 and 3589. Play Production I, II (2) F, S

Activity course. Practice in the production of historical and contemporary drama; preparation of original scripts, exploration of styles of acting, directing and staging. Emphasis on production of plays for public presentation. Four hours of class for two hours of credit. One hour by arrangement.

3590. Phonetics (3) F

Analysis of the English Sounds with emphasis on synthesis in connected discourse. Practice and drill with the International Phonetic Alphabet in ascertaining deviations in the production and articulation of speech sounds.

3591. General Semantics (3) F

(Formerly Interpersonal Communication.) The chief formulations from general Semantics with emphasis on improvement of interpersonal communication; methods of personal and group integration for communication.

3592. Reader's Theater (Formerly Interpretation Theater.) (3) S'63

Cutting, arranging and interpreting plays for group presentation in the reader's theater setting. May be repeated once for credit. A maximum of 3 units will be accepted for graduate credit.

3596. Advanced Public Speaking (3) F

Emphasis on advanced compositional techniques to give understanding of problems in speaking before audiences of various kinds, motivation, suggestive techniques, involvement methods and the ethics of persuasion. Prerequisite: Fundamentals of Speech or equivalent.

3598. Advanced Oral Interpretation (3) F'63

Practice in reading from manuscript great prose selections, classical and modern; preparation of poetry and prose for dramatization; techniques of cutting books and plays for review. Prerequisite: Fundamentals of interpretation or equivalent.

4575. Advanced Speech Correction (Organic) (2) S'63

Theories and therapies of speech disorders resulting from organic anomalies. Emphasis on oral deformities, cleft palate, cerebral palsy and aphasia. Prerequisite: 3584, Principles of Speech Correction.

4576. Advanced Speech Correction (Functional) (2) F'63

Prerequisite: 3584, Principles of Speech Correction. Theories, diagnosis and treatment of speech disorders originating by emotional factors including stuttering, delayed speech and functional articulation disorders.

4579. Speech Analysis and Criticism (3) S'63

Analysis of rhetorical theory of classical and modern authors on public speaking. Development of theories of rhetorical criticism culminating in a critical evaluation of contemporary public address. Prerequisite: 6 units in areas of General Speech or English Literature or Rhetorical Criticism.

4586. Discussion and Group Leadership (3) F

Principles and practice of group discussion, conference development and leadership as tools in a democracy. Procedures for effecting problem-solving through group interaction in education, industry and community affairs. 3 units in public address or equivalent.

4590. Psychology of Speech and Language Development (3) S

Development of normal Speech and Language in children considered from the psychological and semantic standpoints. Prerequisite: 3584 or 3591 or equivalent.

4592. Persuasion and Debate (3) S

Study in the principles of persuasive discourse with emphasis on speaker-listener relationship. Applications to forms of debate.

4593. History of the Theater (3) S'64

Historical analysis of the dramatic and theatrical activity from ancient Greece to present day America. Prerequisite: 3588 or 3589 or equivalent.

4596. Advanced Phonetics: English Usage Dialects. (3) F'63

Introduction to the characteristics of major English dialects through an analytical study of the language structure; the principal difference between these and Romanic and Germanic languages. Prerequisite: 3590 or equivalent.

4597. Lipreading and Aural Rehabilitation (3) F'62

Methods of teaching lipreading to the acoustically handicapped. Principles of communication by the analysis of visible aspects of speech. Principles and techniques of auditory training. Prerequisite: Senior standing or consent of instructor.

4598. Audiometry and Hearing Conservation (3) S

Anatomy and pathologies of the hearing mechanism; acoustics and puretone testing techniques with bases of referral and follow up procedures. Prerequisite: Senior standing or consent of instructor.

4599. Individual Study (1-3) F, S

Provides opportunity for the student to acquire depth in special problems. Prerequisite: Consent of instructor.

Graduate Courses

5593. Research Methods in Speech (3) F'63

Purpose and methods of research in speech; emphasis on the development of methods of studying existing problems and experimental designs. Required of all majors in speech and drama during the first semester of graduate study. Prerequisite: Graduate standing in Speech and Drama.

5594. Stuttering: Theories and Therapies (2) S'64

Review and analysis of significant theories and research; evaluation of therapies. Prerequisite: 3584, 4575, 4576, and 4590 or equivalents.

5599. Individual Graduate Study (1-3) F, S

Prerequisite: Special permission. By arrangement. For students who need advanced or specialized courses not being offered.



