Thirty-First Annual
SUMMER SESSION
University of Hawaii
1957
CALENDAR

JUNE                     JULY                        AUGUST
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2 3 4 5 6 7 8            8 9 10 11 12 13 14
9 10 11 12 13 14 15     15 16 17 18 19 20 21
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30

Regular Session (Six Weeks)

June 24, Monday ........................................ Registration
June 25, Tuesday .......................................... Classes begin
July 4, Thursday ......................................... Holiday
August 2, Friday ......................................... Regular session ends

Postsession (Three Weeks)

August 5, Monday ......................................... Registration
August 6, Tuesday ......................................... Classes begin
August 23, Friday ......................................... Postsession ends

Ten-Week Session (Two five-week terms)

June 24, Monday ........................................ First term registration
June 25, Tuesday ......................................... Classes begin
July 4, Thursday ......................................... Holiday
July 26, Friday ............................................ First term ends
July 29, Monday .......................................... Second term registration
July 30, Tuesday ......................................... Classes begin
August 30, Friday ......................................... Second term ends
Students of the 1956 Summer Session wait in the foyer of Administration building for their turn to register. The 4,603 enrollment included 845 students from 42 states, the District of Columbia and Alaska, and 57 from foreign countries.
Aloha

It is with pleasure that I extend to all qualified persons a cordial invitation to attend our 1957 Summer Session. We have prepared an outstanding program of some 190 courses including, besides standard college courses, many distinctive courses that are not available elsewhere. Even a cursory perusal of this Bulletin will show that our variegated offerings cover an extraordinary range of subjects.

Incidentally, as our answer to the saying about "All work and no play—," Hawaii offers a pleasant summer climate in a beautiful natural setting often called "the Paradise of the Pacific." Golf, tennis, bowling, swimming and fishing barely begin the list of diverse forms of recreation that can be enjoyed here. Besides the countless features and events in and about Honolulu that are of interest to visitors and residents alike, the University sponsors a full program of special activities for summer students, as described in this Bulletin.

I hope, therefore, that you will be able to join us in our summer program. Aloha!

SHUNZO SAKAMAKI
Dean of Summer Session
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SUMMER SESSION
1957

ADMINISTRATION

*PAUL S. BACHMAN, Ph.D., President of the University
WILLARD WILSON, Ph.D., Vice-President and Dean of Faculties
SHUNZO SAKAMAKI, Ph.D., Dean of Summer Session

WILFRED J. HOLMES, M.S., Vice-President and Dean of Administration
ROBERT W. HIATT, Ph.D., Dean, Graduate School; Director of Research
ALLAN F. SAUNDERS, Ph.D., Dean of the College of Arts and Sciences
**WILLIAM M. WACHTER, M.S., Dean of the College of Applied Science
BRUCE E. WHITE, Ph.D., Dean of Teachers College
HAROLD A. WADSWORTH, B.S., Dean of the College of Agriculture
HAROLD S. ROBERTS, Ph.D., Dean, College of Business Administration
EDMUND F. SPELLACY, Ph.D., Dean of the College of General Studies
HAROLD M. BITNER, Ph.D., Dean of Student Personnel
CARL G. STROVEN, Ph.D., Librarian
JOSEPH M. SKORPEN, B.A., Treasurer
EDWARD T. WHITE, M.A., Director of Admissions and Records
SUSAN G. DANIELS, B.S., Director of Student Activities
MARY LOU MCPHERSON, M.Ed., Director of Student Residences
THOMAS NICKERSON, B.A., Director of Publications and Information
ARTHUR A. DOLE, Ph.D., Director of Testing and Guidance
FRANK T. INOuye, Ph.D., Director of Hilo Branch
VIRGINIA A. JONES, M.Ed., Director of the School of Nursing
KATHARINE N. HANDLEY, M.S.W., Director of the School of Social Work
AMOS P. LEIB, M.A., Veterans' Adviser
JOHN J. NAUGHTON, Ph.D., Director of Institute for Science Teachers

VISITING FACULTY

DUGALD S. ARBUCKLE, Ph.D.
Professor of Education, Boston University
ROGER M. BELLOWS, Ph.D.
Chairman, Psychology Department, Rutgers University
ROBERT L. BRACKENBURY, Ph.D.
Associate Professor of Education, University of Southern California
G. ROBERT CARLSEN, Ph.D.
Associate Professor of Education, University of Texas

* President Bachman died January 9, 1957.
** On leave.
HARRY J. CARMAN, Ph.D.
Dean Emeritus, Columbia University

TARAKNATH DAS, Ph.D.
Lecturer in History, Columbia University; Adjunct Professor of Public Affairs and Regional Studies, New York University

CARROLL R. DAUGHERTY, Ph.D.
Professor and Chairman, Department of Business and Economics, Northwestern University

GEORGE W. DOWRIE, Ph.D.
Professor Emeritus of Finance, Stanford University

MARVIN C. GROELLE, M.E.
Supervisor, Mentally Retarded Classes, Oakland Unified School District

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U. S. Office of Education, Department of Agricultural Education

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Professor of Sociology, University of Southern California

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Cultural Attache, U. S. Embassy, Tokyo, Japan

CORNELIUS H. SIEMENS, Ph.D.
President, Humboldt State College

O. W. WILSON, A.B.
Dean, School of Criminology and Professor of Police Administration, University of California

RESIDENT FACULTY

TOM E. ABRUMS, M.A.
Instructor in English

JULIE N. ALM, M.A.
Instructor in Education

MITSUO AOKI, Ph.D.
Assistant Professor of Religion

ABE ARKOFF, Ph.D.
Assistant Professor of Psychology

JAMES K. ASATO, M.S.
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DOROTHY B. ASPINWALL, Ph.D.
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MARY L. BARTOW, B.A.
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MARTHA F. BEAMER, B.Ed.
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ALBERT J. BERNAVITCH, Ph.D.
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OTTO J. BEYERS, Ed.D.
Associate Professor of Education

CHARLES S. BOUSLOG, Ph.D.
Associate Professor of English

ROBERT E. BURKE, Ph.D.
Assistant Professor of History
THOMAS H. BURKE, M.M.
Instructor in Music

OSWALD A. BUSHNELL, Ph.D.
Associate Professor of Bacteriology

ANNE C. CAMARA, B.S.
Lecturer in Nursing

ARTHUR N. L. CHIU, M.S.
Assistant Professor of Engineering

LILY PAO-HU CHONG, M.A.
Assistant Professor of Chinese

ROBERT W. CLOPTON, Ph.D.
Professor of Education

NICHOLAS B. CORBA, M.S.
Assistant Professor of Engineering

HELEN E. CORE, M.S.
Instructor in Mathematics

CAROLYN CRAWFORD, M.S.
Assistant Professor of Education

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Assistant Professor of Psychology

A. GROVE DAY, Ph.D.
Professor of English

JOHN M. DIGMAN, Ph.D.
Assistant Professor of Psychology

ARTHUR A. DOLE, Ph.D.
Assistant Professor of Psychology

GUSTAV E. W. ECKE, Ph.D.
Professor of Art

JOHN R. EVANS, M.S.
Associate Professor of Engineering

LORRAINE F. FITZSIMMONS, M.A.
Assistant Professor of Education

RALPH V. FLETCHER, M.A.
Assistant Professor of Education

NORITO FUJIOKA, M. A.
Instructor in Japanese

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DOROTHY I. GEORGE, Ph.D.
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GUIDO GIROLAMI, Ph.D.
Assistant Professor of Botany

CHRISTOPHER GREGORY, Ph.D.
Professor of Mathematics

WILL I. HAYASHI, B.S., O.D.
Lecturer in Photography

WESLEY D. HERVEY, M.A.
Instructor in Speech

CLAUDE F. HORAN, M.A.
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JOHN P. HOSHOR, Ph.D.
Associate Professor of Speech

SIDNEY C. HSIAO, Ph.D.
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CHARLES H. HUNTER, Ph.D.
Professor of History

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RICHARD H. KOSAKI, Ph.D.
Assistant Professor of Government

RONALD T. LAMBERT, M.A.
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ANDREW W. LIND, Ph.D.
Senior Professor of Sociology

JAMES R. L. LINN, M.F.A.
Instructor in Speech

JAMES K. LOWERS, Ph.D.
Associate Professor of English

KATHARINE LUOMALA, Ph.D.
Professor of Anthropology
General Information

THE UNIVERSITY OF HAWAII is located in Honolulu, on the island of Oahu. It lies in beautiful Manoa Valley, three miles from downtown Honolulu and two miles from Waikiki Beach. Its landholdings total some 710 acres.

Established by act of the Legislature of the Territory of Hawaii in 1907, the University celebrates its fiftieth anniversary in 1957. It was founded as a federal land-grant college and bears the same relation to the Territory as state universities do to their states. Major divisions of the University include the Graduate School, the College of Arts and Sciences, the College of Applied Science, Teachers College, the College of Business Administration, the College of General Studies, the College of Agriculture, which includes the Hawaii Agricultural Experiment Station and the Agricultural Extension Service, and the Summer Session. In addition to the bachelor’s degree, the University offers the master’s degree in twenty-eight disciplines and the Ph.D. degree in Botany, Chemistry, Entomology, Genetics, Soil Science, and Marine Zoology. There are over 450 instructional faculty members and many staff members engaged in full-time research.

The University of Hawaii is accredited by the Western College Association. Its students may transfer to other American universities and to European and Asian universities on the same basis as students of other accredited American universities. It has chapters of national honor societies like Phi Beta Kappa, Phi Kappa Phi, Sigma Xi, Omicron Delta Kappa, and Delta Sigma Rho.

Besides an academic year of two semesters, the University has a 6-week summer session followed by a 3-week postsession. In addition, there are two 5-week terms in the summer during which a number of lower division year courses are offered. During the 1955–56 academic year the University of Hawaii enrolled 7237 students in credit courses and 3299 students in non-credit courses. As compared with an enrollment of 3714 students in the summer of 1954 and 4214 students in the summer of 1955, the 1956 summer session enrolled 4603 students, including 845 (494 undergraduate and 351 graduate) from 42 states, the District of Columbia, and Alaska, and 57 students from foreign countries.

As summer session enrollment continues to grow year after year, course offerings are being increased to keep pace with this growth. Distinctive offerings include courses on Pacific and Asian subjects in various curricular disciplines, such as Folklore, Indian and Far Eastern Art, Applied Arts of China, Chinese Literature in English, Economic Problems of Asia and the Far East, Literature of the Pacific, Geography of Hawaii, Geography of Japan, Geography of the Pacific Islands, the Orient in World Politics During the Twentieth Century, Dances of Hawaii, History and Civilization of India, United States in the Pacific, Pacific Islands from 1779, History of the Hawaiian Islands, History of Australia and New Zealand, History of Japanese Culture, Foods of the Pacific, Elementary Japanese, Japanese Literature in English, Music of the Far East, Community Forces in Hawaii, Race and Culture
Contacts in Hawaii, Race Relations in the Pacific, and Peoples and Institutions of Japan.

Eminent visiting professors are invited each year to augment the resident faculty on summer duty (normally about one-fourth of the full faculty). Some of the visiting professors are invited on the basis of exchanges with University of Hawaii professors. Visiting professors in 1957 include Dr. Glenn W. Shaw, who has lived in Japan for some thirty years and has published five volumes of English translations from modern Japanese literature and three books of miscellaneous writings on Japan. He has taught at various times in Hawaii, Japan, China, and India. Dr. Taraknath Das has had a long and noteworthy career in his native India, in Japan and China, in Germany and other European countries, and in this country, of which he has been a citizen since 1914. He has lectured in various American, European and Asian universities and returns for a third summer appointment at the University of Hawaii. Dr. Samuel I. Hayakawa, famous expert in the field of Semantics, comes from San Francisco State College. He has also taught at the University of Wisconsin, the University of Chicago, and other institutions, and has published outstanding

Reading rooms of the new and modern Gregg M. Sinclair Library provide study facilities for 800 students at a time. Outstanding among the Library’s special collections are materials relating to the Far East and to the Pacific Ocean areas.
works in his field. Dr. H. H. Sanders, the first man in this country to win a Ph.D. in the field of Ceramics, has received various national awards for his ceramic masterpieces and international renown for his research in glazes. These and other distinguished visiting and resident professors make up a notable summer faculty.

INSTITUTE FOR SCIENCE TEACHERS. In recognition of the vital role of science in modern life the National Science Foundation has made a grant to the University of Hawaii for support of a summer institute for teachers of science in the secondary schools. The objective of the institute is to strengthen secondary school instruction in the sciences. It is designed to bridge the gap between methods of teaching courses on the one hand and science-content courses on the other. Two graduate credit courses are offered—Recent Developments in the Biological Sciences, and Recent Developments in the Physical Sciences—in which general principles and recent advances in specific areas of science will be covered. "How-to-do it" demonstrations and laboratory experience will feature materials readily assembled at low cost. Field trips and lecture-discussion sessions with specialists will stimulate participants to the greater utilization of local resources in teaching.

The institute will be held on the University campus for a period of eight weeks, opening June 20th and closing August 14th. Stipends have been provided by the National Science Foundation for 50 participants. Amount of stipend will depend on the degree of dislocation necessary for the participant in attending the institute, but may amount to as much as $600.00 for the eight weeks session, with additional allowances for travel and dependents to a total of four. A committee will evaluate qualifications of applicants as a basis of awarding stipends. The institute also is open to teachers who do not receive stipends.

The institute will be directed by Dr. John J. Naughton, Chairman of the Department of Chemistry. Application should be made to the Director. Deadline for return of the application blanks for the Summer Science Institute is March 1st, 1957.

GREGG M. SINCLAIR LIBRARY. The University Library, named after former University President Dr. Gregg M. Sinclair, is a new building of modern design. It contains 264,747 bound volumes and 676,734 unbound parts. It subscribes to 4,093 current periodicals. The well-lighted reading rooms provide study facilities for 800 students at a time. To make the books conveniently accessible, the stacks are adjacent to reading areas and are open to all students. Besides a well-rounded general collection, there are the following special collections: Government Documents, Teachers College Collection, Maps and Microfilms, the Oriental Collection, and the Hawaiian Collection. The Library is especially strong in materials relating to the Far East and to the Pacific Ocean area.

HUMAN RELATIONS AREA FILES. This organization, supported by sixteen major universities, systematically places basic information on various societies of the world in files at each member institution. Each file in this unique collection, located in the University Library, contains facts about a people or region that are judged to be of value to students of human behavior, social life, and culture.

INDUSTRIAL RELATIONS CENTER. This Center, located in Hawaii Hall on the campus, was established to promote a sound understanding of labor-management problems in the community. It provides a library and reference service,
for public use, of materials relating to labor management and relations; offers both
credit and non-credit courses in the field of industrial relations; promotes lectures,
conferences, and discussion groups; and conducts research on basic industrial
relations problems.

ROMANZO ADAMS SOCIAL RESEARCH LABORATORY. This Lab­
oratory, located in Crawford Hall on the campus, is staffed by members of the
Sociology Department, and is concerned primarily with sociological studies relative
to the peoples of Hawaii. It has one of the best collections of materials available
anywhere in the field of race relations.

PSYCHOLOGICAL RESEARCH CENTER. This Center performs basic and
applied research on problems involving the scientific approach to human behavior.
It serves as a research and informational agency to which business, industry, gov­
ernment and others may bring psychological problems.

UNIVERSITY LABORATORY SCHOOLS. Demonstration classes are con­
ducted in the Teachers College laboratory schools in connection with summer
session offerings for teachers. In order to insure a rich experience for the children
enrolled, conditions are made as nearly ideal as possible, with small classes, selected
children, and a strong supervising staff assisted by specialists in art, health, library
science, physical education, music, speech and drama.

ADMISSION. Persons wishing to take courses for credit must present satis­
factory evidence of ability to do university work. Graduate and undergraduate
students in good standing at colleges or universities other than the University of
Hawaii may submit either a transcript of their college records or a special printed
form properly filled out by the Registrar or Dean of their institution. Copies of this
form may be obtained from the office of the Dean of Summer Session. One is
enclosed with each Summer Session Bulletin sent to a person outside Hawaii. High
school graduates who have been granted admission by an accredited college or
university may submit the aforementioned form. Others entering college for the
first time should write to the Director of Admissions of the University of Hawaii
for information as to entrance examinations and other procedures. This should be
done as early as possible.

AUDITORS. Mature persons who wish to attend certain classes regularly,
without taking examinations or receiving grades or credit, may do so by registering
as auditors and paying the regular tuition fees charged for the courses in which they
desire to enroll. A student may be both a credit student and an auditor but the total
hours involved must not exceed the maximum program allowed students. Auditors
are not allowed to participate in class discussions or recitations or to use laboratory
or studio equipment and materials. They are not subject to late registration fees;
neither will any part of their auditor’s fees be refunded.

VISITORS’ TICKETS. Since the summer session provides an opportunity
to hear classroom lectures given by many distinguished professors in various
fields, Visitors’ Tickets will be available to mature persons who wish to visit differ­
ett, unspecified lecture classes without examination or credit. These tickets may
be obtained upon payment of $40.00 and with the approval of the Dean of Summer
Session. The Visitor’s Ticket must be shown upon demand and will entitle the bearer to attend any classroom lecture if there is an available seat. Visitors are not to participate in classroom discussions or recitations or examinations, or to use laboratory or studio equipment and materials. A visitor’s ticket may be cancelled, without refund, if these conditions are violated.

REGISTRATION. Registration for the 6-week summer session and the first 5-week term will take place on Monday, June 24, between 8 a.m. and 4 p.m. Students are asked to report at the Chemistry Building where they will be issued registration materials according to the following time schedule: those whose last names begin with the letters H through L, at or after 8:00 a.m.; M through S at or after 9:30 a.m.; T through Z at or after 11:00 a.m.; and A through G at or after 1:00 p.m. Registration for the second 5-week term and for the 3-week postsession will be handled in the Administration Building, on July 29 and August 5 respectively, without alphabetical time schedules, and between 8:00 a.m. and 12 noon.

VETERANS. The University of Hawaii is authorized to enroll veterans under Public Laws 16, 346, 550, 634, and 894. Students registering for the first time under these Laws should bring with them either their Certificate of Eligibility and Entitlement, or their Certificate for Education and Training.

LATE REGISTRATION. On June 25 and June 26 students may register for 6-week and 5-week courses only with the consent of the dean of the college concerned; on June 27 and June 28, registration will be permitted only with the approval of both the college dean and the instructor concerned. From July 1, students may not register for credit but may be admitted as auditors with the consent of the Dean of Summer Session and of the instructor concerned.

During the second 5-week term, late registration will be permitted on July 30 and July 31 only with the approval of the dean of the college concerned, and on August 1 and 2 only with the approval of both the college dean and the instructor concerned. From August 5, students may not register for credit but may be admitted as auditors with the consent of the Dean of Summer Session and the instructor concerned.

During the 3-week postsession, late registration will be permitted on August 6 and August 7 only with the approval of the Dean of Summer Session and the instructor concerned. From August 8, students may register only as auditors, upon approval of the Dean of Summer Session and the instructor concerned.

SCHEDULE CHANGES. The University reserves the right to make changes in faculty assignments and in time schedules, to cancel any course that does not draw adequate registration, and to set maximum limits for enrollment in certain classes. A final mimeographed schedule of classes giving times, classrooms, and instructors will be available at registration time.

STUDENT PROGRAMS. Student programs in the 6-week summer session and 5-week terms are ordinarily limited to a maximum of six credit hours. However, in exceptional cases, seven credit hours may be carried by a student provided he obtains the consent of either the dean of his college or the Dean of Summer Session.
Eight credit hours may be carried only by a student who needs that number of credits to complete his requirements for a bachelor’s degree or a certificate at the end of the summer session. The approval of a college dean or of the Dean of Summer Session is required. During the postsession, student programs are limited to four credit hours. The foregoing limitations apply to all student programs, including work taken concurrently in the College of General Studies.

Class periods are 50 minutes daily, Monday through Friday, for most 1-credit and 2-credit courses during the six-week summer session. Courses carrying more than two credits meet for longer periods.

TUITION AND FEES. There is no registration fee. The tuition fee is $8.50 per credit hour and must be paid by all persons who register for courses, either for credit or as auditors. There is no additional charge for non-residents. Laboratory and other fees are charged for certain courses, as stated in course descriptions or in the mimeographed schedule of classes. An activity fee of $1.00 must be paid by all students registered in either the 6-week summer session or the first 5-week term.

Registration is not complete until all fees have been paid. A penalty fee of $5.00 will be charged any student who does not complete his registration on the announced day of registration, but does so on subsequent days during which late registration for credit is permitted. There is a charge of $2.00 for any change in registration after the initial registration unless waived for good cause by a college dean or the Dean of Summer Session. Fines for violating campus parking rules and library fines must be paid promptly.

REFUNDS. A student in good standing who withdraws from either the 6-week summer session or the first 5-week term may obtain a 60 per cent refund of tuition and laboratory fees until 4:00 p.m. Thursday, June 27, and a 20 per cent refund thereafter until 4:00 p.m. Tuesday, July 2. After July 2, no refunds will be made.

During the second 5-week term a student may obtain a 60 per cent refund until 4:00 p.m. Thursday, August 1, and a 20 per cent refund thereafter until 4:00 p.m. Tuesday, August 6, after which there will be no refunds.

During the 3-week postsession a student may obtain a 60 per cent refund until 4:00 p.m. Wednesday, August 7, and a 20 per cent refund thereafter until 4:00 p.m. Friday, August 9, after which there will be no refunds.

No part of the $1.00 Activity Fee or of the $40.00 Visitor’s Ticket is subject to refund.

PERSONAL CHECKS. Personal checks will be accepted for payment of summer session tuition and fees only when the amount of the check does not exceed the amount due from the student.

GRADES AND EXAMINATIONS. Final examinations are given in all courses unless other provisions are authorized by the Dean of Summer Session. The final examination is usually given at the last scheduled meeting of the class. Unless satisfactory arrangements have been made with the instructor in advance, absence from the final examination will be equivalent to "0" (zero) and counted as such in computing the grade for the course. Special examinations and re-examinations for individual students are not permitted, as a general rule, and need the approval of the Dean of Summer Session. Students must complete all the work
and examinations required by their instructors, attend classes regularly until the
close of the summer session, and hand in all assignments by that time. No part
of the work may be continued beyond the close of the session or term.

The grading system is the same as in the regular sessions: A, excellent; B, good;
C, fair; D, barely passing; I, incomplete; F, failure. The grade "I" is not normally
used in summer session work. It may be given only with the approval of the Dean
of Summer Session. In graduate courses (300-399) the letters H (honors), S
(satisfactory), and U (failure) are used for graduate students and the letters A to
F for undergraduates.

A fee of $10.00 is charged for any special examination in a summer course
taken at other than the specified time.

WITHDRAWALS. To withdraw from a course a student must obtain a with­
drawal form at the Records Office and have it properly filled with all necessary
signatures. A student who stops attending a course without going through the
foregoing procedure receives an F (for failure) in the course. During the first third
of any session or term a formal withdrawal is marked W on the student's record.
Thereafter, and prior to the last week of the session or term, a formal withdrawal
is marked W if the student's work was of passing grade; otherwise it is marked F.
No withdrawals from courses are permitted during the last week of the session or
term. The Dean of Summer Session may, however, under exceptional circumstances,
allow a student to withdraw completely from the University.

TRANSCRIPTS. A student who requests the Office of Admissions and Rec­
ords to send a transcript of his work to another institution is not required to pay
for the first copy but is charged $1.00 for each subsequent copy. If a student's
records indicate an indebtedness to the University, such as unpaid library or parking
fines and the like, his transcript will carry the following notation: "Denied further
registration. See Discipline file."

EXTRA-CURRICULAR PROGRAM. An extensive program of educational
and recreational extra-curricular events is sponsored by the University in conjunc­
tion with the summer session. The program includes evening public lectures by
some of the visiting professors. Other popular features of the program have been
guided tours of interesting spots in the cosmopolitan city of Honolulu, and of
Oriental temples and shrines, the great naval base at Pearl Harbor, a sugar plantation
and its mill, and a pineapple cannery, as well as campus-walk-a-tours. Perennial
favorites also have been craft sessions in the making of coconut hats, corsages and
seed jewelry; a scenic ride to and picnic at a beach on the windward shores of Oahu;
sliding down grassy mountain slopes on bundles of ti leaves; glass-bottom boat
rides over the Coral Gardens of Kaneohe Bay; evening programs of Hawaiian
legends and dances; an International Night program of the costumes, dances and
music of old Hawaii, China, Japan, Korea, and the Philippines; and two social
dances, an Aloha Dance early in the session and a Pau Hana (Work Finished)
Dance at the end of the session. Coffee Hours also have been sponsored, as a
welcome "break" between classes. Details of the summer program for 1957 will be
printed in "Summer Salute," a special publication distributed at the beginning of
the summer session.
ACTIVITY FEE. An Activity Fee of $1.00 is charged all students registered in the six-week summer session or the first five-week term, and a Summer Session Activity Card is issued to each student paying this fee. The Activity Card entitles students to attend the various extra-curricular events planned for them, on a first-come-first-served basis. Activity Cards may be purchased, upon approval of the Director of Student Activities, by summer session faculty members and by husbands or wives or children (over eighteen years of age) of these faculty members or of summer session students.

There will be no program of special events after August 2. Consequently, no activity fee will be charged for the second 5-week term and the postsession.

HEMENWAY HALL. Hemenway Hall, the college union building, is available each Monday through Friday morning. Its services include daily Carnegie Concerts, current periodicals and local newspapers, table games and ping pong. Lounges and meeting rooms, a barbershop and the University cafeteria are also located in this building. A snack bar is available in an adjoining building.

SUMMER SESSION HOUSING. Frear Hall, modern residence for women, accommodates 144 students, and is available to summer session graduate and undergraduate students. Each attractively furnished room has a sweeping view of the mountains or the sea. All rooms are double. Rates are $60.00 per person for the session. Hale Laulima, a small dormitory with 14 single and two double rooms, is available to graduate students. Rates are $60.00 each in doubles, $75.00 in singles. To be eligible for either dormitory, a student must be registered for at least three hours of credit. Courses audited do not meet this requirement. Applications should be addressed to the Director of Student Residences, 126 Administration Building, University of Hawaii, Honolulu 14, Hawaii.

Comfortable accommodations are available for men in Charles Atherton House, which is adjacent to the campus and owned and operated by the YMCA. For information, write to the Director, Charles Atherton House, 1810 University Avenue, Honolulu 14, Hawaii.

A snack bar in Frear Hall serves dinner every evening except Sunday, and breakfast every morning. The University cafeteria serves reasonably priced breakfasts and lunches Monday through Saturday. Also, there are restaurants nearby. Students should plan for a minimum of $2.00 per day for food.

Rooms in the University vicinity are obtainable during the summer months, as are studio and one-bedroom apartments in the Waikiki Beach area. The University Office of Student Personnel maintains a file of available living accommodations and will assist students upon arrival. Rooms and apartments must be negotiated directly with the landlord, and no deposits will be accepted by the Student Personnel Office. Minimum rents are $35.00 a month for a room and $85.00 a month for a one-bedroom or a studio apartment. However, a student should be prepared to pay more as housing accommodations are in great demand during the summer period. Arrangements might be made to stay in one of the Honolulu hotels for a few days after arriving in Honolulu. For a complete list of Honolulu hotels, prices, and accommodations, write to the Hawaii Visitors Bureau, 2051 Kalakaua Avenue, Honolulu, Hawaii.

TRANSPORTATION. Hawaii is served on regular schedules by Pan-American World Airways, United Air Lines, Northwest Airlines, and British Com-
monwealth Pacific Airlines. The fare on any of the regular flights from San Francisco, Los Angeles, and Seattle is $319.00 round trip, or $168.00 one way. Tourist fare on regular scheduled carriers is $250.00 round trip, or $125.00 one way. Transocean Air Lines operates non-scheduled flights with the fare at $218.00 round trip, or $109.00 one way.

Steamship service is provided by Matson Navigation Company and American President Lines. Minimum steamer fares are $260.00 round trip, or $145.00 one way. The Hawaiian Steamship Company's new 18,500 ton liner, the "S.S. Leilani," sails between California and Hawaii, with minimum rates at $115.00 one way and $205.00 round trip.

Study tours organized by mainland tourist agencies are brought to the Islands each summer. The names of such agencies may be obtained from the office of the Dean of Summer Session, University of Hawaii, Honolulu 14, Hawaii.

The University is located on a Honolulu Rapid Transit bus line that can take one to the center of town. There are connecting bus lines to the Waikiki Beach area. Fares are two tickets for 30¢, or 20¢ cash. During the period of the summer session bus lines operate directly between the University and the Waikiki district.

The major outer islands, Hawaii, Maui, and Kauai, are easily reached by Aloha Airlines and Hawaiian Airlines which have several daily flights.

OF INTEREST TO VISITORS. Honolulu is a truly cosmopolitan metropolis of some 300,000 people representing nearly all parts of the world. The numerous shops exhibiting exotic wares from everywhere, the quaint atmosphere of Chinatown, the lovely residential districts, and the beach areas with their sand, surfboards and catamarans seem to be of special interest to visitors. In Honolulu are the famed Bernice P. Bishop Museum, the Honolulu Academy of Arts, the Queen Emma Museum, and the only erstwhile royal palace on American soil, Iolani Palace. There are various Buddhist, Shinto, Confucian and Taoist temples and shrines that are favorites with picture-taking visitors. There is a wide variety of eating places including famous restaurants featuring Hawaiian, Chinese, and Japanese dishes, and seafood, sizzling steaks and other specialties. There are many movie theatres, including drive-ins, three television stations and nine radio stations, free public concerts by the Royal Hawaiian Band, open air exhibits of their paintings by local artists, botanical gardens and arboretums, the extensive Honolulu Zoo, the new Aquarium at Waikiki Beach operated by the University, and other attractions to suit all tastes.

DRIVERS' LICENSES. Mainland visitors with valid drivers' licenses are permitted to drive in Hawaii for 90 days following arrival, after which they must obtain Hawaiian licenses. However, if the driver is under 20 years of age, he or she must file a Parental Consent form with the Honolulu Police Department. This form may be obtained at police headquarters. A duly notarized statement signed by the driver's parents may be submitted for consideration by the Police Department, in lieu of this form. A driver under 20 years of age is otherwise liable to arrest.

PART-TIME EMPLOYMENT OPPORTUNITIES. Persons planning to attend the summer session are advised that there are very few opportunities for part-time employment during the summer period. Because of the shortness of the
summer session and the fact that jobs are often spoken for months in advance by local high school and college students, non-resident summer students are advised to have funds for all expenses before coming.

CLASSROOM ATTIRE. While it is natural that summer session attire tends to be a bit more informal than on most university campuses on the mainland, students are reminded that the canons of good taste exclude abbreviated shorts, swimming suits, and the like from normal classroom wear.

HILO BRANCH SUMMER SESSION. A few summer courses are offered at the University of Hawaii Hilo Branch, located in the town of Hilo, on the island of Hawaii, some 200 miles from Honolulu. The courses are intended primarily for residents of the island of Hawaii and are listed in this Bulletin.

Artifacts are being discussed in the course, Arts of the Pacific. Students have opportunity for first-hand experience with authentic and old works of the Pacific area which are exhibited and loaned by the Bernice P. Bishop Museum. Original objects and slides are used in the course.
Courses Offered

Courses numbered 100 to 199 are lower division courses, intended primarily for freshmen and sophomores. Those numbered 200 to 299 are upper division courses, intended primarily for juniors and seniors, but open to graduate students. Courses numbered 300 and higher are primarily for graduate students.

The number of semester credit hours carried by each course is listed in parentheses immediately after the title of the course.

All classes start at the half-hour indicated and continue for 50 minutes. Classes meeting for periods longer than 50 minutes have the beginning and closing times indicated.

A mimeographed schedule stating the place of meeting as well as the time of all courses will be available at the time of registration. This schedule will also give detailed information as to registration procedure.

AGRICULTURE

S 286 METAL SHOP PRACTICES (2) JOHNSON
Arc and gas welding, soldering, cutting, filing, drilling, threading, machinery overhaul, farm shop equipment, teaching methods. One lecture and two laboratory periods. Laboratory fee $5.00. July 1–20.
Daily 12:00–4:00
(For a course on Shop Organization and Management, see EDUCATION.)

ANTHROPOLOGY

S 150 INTRODUCTION TO STUDY OF MAN (3) LUOMALA
An introduction to the changing cultures and physical characteristics of non-literate peoples as an aid to better understanding of current problems in human relations.
Daily 8:05–9:20

S 269 FOLKLORE (2) LUOMALA
Daily 10:30

ART

S 140 INTRODUCTION TO VISUAL ARTS (3) NORRIS
A course designed to give insight into the nature of visual art and its relationship to contemporary life, including expression in various forms, such as painting,
architecture, sculpture, photography, and industrial design. Lectures, demonstrations, and museum visits. Course fee $1.00.

Daily 11:30–12:45

S 142  ART FUNDAMENTALS  (2)  STASACK, KINGREY  
(2 sections)

Background material and studio practice to stimulate understanding of the arts. Lectures, museum visits, and studio work. Studio fee $1.00.

Daily  8:30–10:20
10:30–12:20

S 150  DESIGN  (2)  KINGREY

Introduction to design fundamentals involving the elements and principles of visual organization. Lectures and studio problems. This course or its equivalent in experience is prerequisite to all advanced study in art. Studio fee $1.00.

Daily  8:30–10:20

S 157  DRAWING AND PAINTING  (2)  MARCUS, STASACK  
(2 sections)

A course for beginners and students of moderate advancement. Considerations of representation, composition, and control of medium. Studio and outdoor subject matter. Course fee $1.00.

Daily  8:30–10:20
10:30–12:20

S 160  CERAMICS  (2)  HORAN, SANDERS  
(3 sections)

Methods and principles of creating pottery by hand and on potter's wheel. Lectures and studio work. Studio fee $10.00.

Daily  8:30–10:20
10:30–12:20
1:30–3:20

S 176  WEAVING A  (2)  ROBINSON  
(2 sections)

Introduction to the creative processes of weaving. Warping and threading of simple hand looms, with some experience on the multiple harness loom. Lectures and studio work. Studio fee $7.50.

Daily  8:30–10:20
10:30–12:20

S 220  INDIAN AND FAR EASTERN ART  (2)  ECKE

The development of architecture, sculpture, and painting in India, China, and Japan, and related cultures from prehistoric times to the present. Lectures with slides. Visits to the Honolulu Academy of Arts. Course fee $2.00.

Daily  8:30

S 231  APPLIED ARTS OF CHINA  (2)  ECKE

Ceramics, glyptic arts, metalwork, lacquer, textiles. Principles of architecture,
furniture, interior design, landscaping. Lectures with slides. Demonstrations of
techniques in ceramics and textiles. Visits to the Honolulu Academy of Arts.
Course fee $2.00.
Daily 10:30

S 255 MODERN ART AND ITS ORIGINS (ARTS OF THE PACIFIC) (2) NORRIS
Discussion and analysis of inspiration, theory, and practice in the visual arts,
integrating expressions of non-literate peoples with modern forms, with special
study of an emphasis upon the Arts of the Pacific Region. Course fee $2.00.
Daily 9:30

S 260 CERAMIC GLAZE CALCULATIONS (2) SANDERS
Elementary use of molecular formulae for glaze experimentation along with
practical laboratory tests of raw materials. Care and operation of equipment.
Prerequisite: Art 160 or consent of instructor. Studio fee $10.00.
Daily 8:30–10:20

S 265 WATER COLOR PAINTING (2) MARCUS
The imaginative expression of form and idea in water color. Studio and outdoor
painting. Prerequisite: Art 264 or consent of instructor.
Daily 10:30–12:20

BACTERIOLOGY

S 140 MICROBES AND MAN (2) BUSHNELL
A general introduction to the world of microbiology, presenting the different
kinds of microorganisms and their manifold activities, as they affect people and
their possessions. Attention to the functions of germs in health and in disease,
and the roles that microorganisms play in agriculture and industry, in the prep­
aration of foods and beverages, and in the economy of the sea. Lectures supple­
mented with demonstrations and visual aids. Field trips to establishments and
laboratories on Oahu which demonstrate the activities of microorganisms and
man's efforts to control them. Not open to students who have had Bacteriology
151. Prerequisite: a year of high school science or its equivalent.
Daily 11:30

BOTANY

S 100 GENERAL BOTANY (4) GIROLAMI
Basic principles of plant science, with emphasis upon structure in relation to
habitat, habitat and heredity in relation to evolution, attributes of plant life in
relation to man. This course and Zoology 100 comprise an introduction to the
biological sciences. Laboratory fee $5.00.
Daily 11:30 Laboratory, daily 2:10–5:00

S 103 PLANT EVOLUTION (2) SMITH
Evolution in the plant kingdom; the simple ancestral plants; the lines of de-
velopment to the complex higher plants. The rational basis for evolutionary hypotheses; the place of evolution in science and human thought.
Daily 10:30

S 110 PLANTS AND MAN (2) GIROLAMI
The influence of plants upon man and man upon plants. The uses, methods of preparation, and plant parts used in cosmetics, textiles, medicine, paint, beverages, tanning, spices, etc. The story of how plants have affected man and his environment.
Daily 9:30

S 154 PRINCIPLES OF GENETICS (3) SMITH
Fundamentals of genetics; the physical basis of the inheritance of characters and variations in plants and animals. Prerequisite: one semester of biological science.
Daily 8:05–9:20

S 181 PLANTS AND THE SEA (3) BERNATOWICZ
The shore plants, the algae, and especially the part they play in the productivity of the sea. Marine field trips. Laboratory fee $5.00.
Daily 11:30–12:45

BUSINESS

S 150 ELEMENTARY ACCOUNTING (3) LEE
Fundamental principles of accounting for sole proprietorships, including use of journals and ledgers and preparation of statements. Three lectures and two laboratory periods. Prerequisite: sophomore standing in the department or consent of instructor. First 5-week term: June 24–July 26.
M W F 8:00–10:00 Laboritory, T Th 8:00–10:20

S 151 ELEMENTARY ACCOUNTING (3) LEE
Continuation of Business S 150, including the accounting problems of partnerships and corporations. Three lectures and two laboratory periods. Prerequisite: Business 150. Second 5-week term: July 29–August 30.
M W F 8:00–10:00 Laboratory, T Th 8:00–10:20

S 160 ELEMENTARY BUSINESS LAW (3) STAFF
First semester: law as an agency of social control; nature, sources, and growth of the law; fundamental legal conceptions; law of contracts. First 5-week term: June 24–July 26.
Daily 7:50–9:20

S 161 ELEMENTARY BUSINESS LAW (3) STAFF
Law of agency, negotiable instruments, and sales. Prerequisite: sophomore standing. Second 5-week term: July 29–August 30.
Daily 7:50–9:20

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S 240  Principles of Insurance  (3)  Mehr

The uses of insurance in business, as protection against fire, theft, transportation risks, legal liability, and dishonesty and failure of others. Also forms of life and disability insurance.
Daily 8:05-9:20

S 242  Group Insurance  (2)  Mehr

Plans devised to protect employees in business and industry and their families against the monetary problems connected with sudden death, temporary and permanent disability, and old age. Consideration of group insurance in connection with workmen's compensation, social security plans, and co-operative medical and hospital plans.
Daily 10:30

S 265  Corporation Finance  (3)  Dowrie

Determination of capital requirements; sources and devices used to procure capital; marketing securities; control of capital disbursements; credit and income. Prerequisite: Business 151; credit or concurrent registration in Economics 256, or consent of instructor.
Daily 8:05-9:20

S 282  Business Statistics  (3)  Ige

A study of statistical techniques and their application to business and economics. Sources of data, tabulation, charting, averages, dispersion, sampling, index numbers, analysis of time series, and correlation. Prerequisite: Economics 150-151 or consent of instructor.
Daily 11:30-12:45

Chemistry

S 103  General Chemistry  (4)  Zeitlin

A comprehensive study of chemistry with emphasis upon fundamental laws, principles, and methods. Prerequisite: a year of high school algebra and plane geometry. Laboratory fee $10.00. First 5-week term: June 24-July 26.
Daily 8:00-9:45  Laboratory, M W F 1:10-4:00

S 103C  General Chemistry  (4)  Waugh

A continuation of S 103. The equivalent of the second half of the academic year's course in beginning chemistry. Laboratory fee $10.00. Second 5-week term: July 29-August 30.
Daily 8:00-9:45  Laboratory, M W F 1:10-4:00

Chinese

S 250  Chinese Literature in English  (2)  Chong

A survey of Chinese literature from the earliest times to the present; emphasis
will be placed upon Chinese culture as seen in literature. Special consideration will be given to poetry, especially that of the Wei-Chin Six Dynasties and T'ang period. Knowledge of the Chinese language is not necessary for this course. Daily 9:30

**CRIMINOLOGY**

S 200  POLICE ADMINISTRATION  (3)  WILSON

Introduction to the principles of police organization and administration, discussion of police statistics, criminal identification and investigation; educational methods for combating crime and vice, and controlling traffic.

Daily 11:30–12:45

S 202  POLICE PLANNING  (2)  WILSON

Considerations in discovering and analyzing needs, formulating policies, developing plans and procedures, and evaluating their effectiveness. Analysis of distribution of personnel, measures of performance and service, selection, training and discipline, M.O., operating programs, procedural manuals and tactics.

Daily 9:30

**DRAMA AND THEATRE**

S 140  INTRODUCTION TO DRAMA AND THEATRE  (3)  TRAPIDO

Reading and discussion of representative plays from Miller's *Death of a Salesman* to Aeschylus' *Agamemnon*. Study of the plays as illustrative of changing forms in the theatre and dramatic literature, with emphasis upon the influence of these forms in our time.

Daily 11:30–12:45

**ECONOMICS**

S 140  INTRODUCTION TO ECONOMICS  (2)  IGE

A descriptive analysis of basic economic institutions and a study of the elementary principles underlying consumption, production, exchange, and distribution. Not open to majors in Economics and Business or to other students who have had an introductory course in Economics under a different title.

Daily 9:30

S 252  ECONOMIC PROBLEMS OF ASIA AND THE FAR EAST  (2)  MARK

Structure and development of economies of Asia and the Far East, with special reference to China, Japan, India, and Southeast Asia. Problems of agricultural and resource development, industrialization, trade, finance, and government planning in underdeveloped areas.

Daily 9:30
S 256 Money and Banking (2) Dowrie
Nature and history of money and of banking; characteristics of credit; monetary system of the United States; monetary standards; value of money; relation of money and credit to prices; banking system of the United States, including commercial banks, trust companies, savings banks, and related savings institutions.
Daily 10:30

S 261 Public Finance (3) Leong
Public expenditures; extent, purposes, determinants, effects. Public revenues: public domains and industries, fees, assessments, charges, taxation. Public credit and fiscal administration.
Daily 11:30–12:45

S 281 Labor Problems (3) Daugherty
A study of wages, hours, working conditions, employment, superannuation, substandard workers, and other important problems common to all labor. Special attention to an analysis of the fundamental factors affecting wage levels.
Daily 8:05–9:20

S 285 International Trade and Finance (3) Mark
Theory of international trade, foreign exchange rates, balance of payments equilibrium, and commercial policy, with emphasis on recent events. Attention to practical aspects of importing and exporting. Prerequisite: Economics 256 or consent of instructor.
Daily 11:30–12:45

S 288 Government Labor Policy (2) Daugherty
Contemporary labor policy of government in the United States as revealed in state and federal legislation and by the courts and administrative agencies.
Daily 10:30

EDUCATION

S 204 Shop Organization and Management (2) Johnson
Organization and control of shop instruction; handling supplies; maintaining equipment and tools; purchasing materials; keeping records; making inventories and meeting other problems of setting up and operating shop instruction courses. July 1–20.
Daily 9:00–11:00
(For a course on Metal Shop Practices, see under Agriculture)

S 216 Bookkeeping and Office Practice (2) McGill
Daily 10:30–12:20
(See below: S 377 Seminar in Business Education)
S 231 Problems in Mental Deficiency of Children (2) Groelle
Definitions, theories, classification, etiology, diagnosis, educational rehabilitation procedures. Contributions of biology, sociology, anthropology and psychology to educational planning for the mentally retarded. Primarily intended for principals, supervisors, and experienced teachers.
Daily 10:30

S 236 Basic Skills, Preschool-Primary (2) Reddin
Materials and procedures for teaching children's literature, creative dramatics and writing.
Daily 8:30

S 236C Basic Skills, Preschool-Primary (2) Reddin
Materials and procedures for teaching language arts, beginning reading, number concepts.
Daily 9:30

S 241 Mathematics, Elementary (2) McIntosh
Daily 8:30

S 244 Children's Literature (2) Alm
Designed to help prospective teachers become acquainted with a wide range of children's books and to develop criteria for judging literature on the basis of children's needs and interests. Prerequisite: Education 285-286.
Daily 8:30

S 258 Materials and Methods of Instruction (3) Sueoka
Materials and methods of teaching the language arts (reading, writing, speaking), arithmetic, social studies, and science in grades two to six. Credit applies toward teacher's certificate, but not toward B.Ed.; may not be taken for credit by persons who already have credit in Education 240, 241, and 243. Must be taken concurrently with Education S 280 (3).
Daily 8:05-9:20

S 261 Tests and Measurements (3) Beyers
Theory and techniques of evaluation in education; practice in the use of testing devices. Laboratory fee $8.00, including $7.00 for the National Teacher Examination.
Daily 9:30 Laboratory, M Th 8:20-9:20, 11:30-12:30, T F 8:20-9:20, 11:30-12:30

S 262 Creative Art, Elementary (2) Fletcher
(2 sections)
Individual and group projects to promote understanding of the creative use of art materials, tools, ideas, and their sources. Work in paint, clay, wood, etc.

S 264 ART FUNDAMENTALS FOR THE TEACHER (ATTP) (2)
Introduction to art media for the teacher, place of art in society and the school, development of art principles through art activity, organization of children's art materials. Studio fee $5.00. Daily 1:10–3:00

S 266 GUIDANCE MATERIALS AND RESOURCES (2) ARBUCKLE
Sources of information; professional organizations and personnel; the material aids to counseling; the research function of the counselor. Daily 9:30

S 272 GUIDANCE FOR THE CLASSROOM TEACHER (2) ARBUCKLE
Teacher's responsibility in counseling and group guidance, guidance methods, aids and techniques as they apply to the classroom teacher. Not intended for the counselor major. Daily 10:30

S 277 METHODS AND MATERIALS IN TEACHING MENTALLY RETARDED CHILDREN (2) GROELLE

S 280 PRINCIPLES OF ELEMENTARY EDUCATION (4)
(3 sections) JENKINS, FITZSIMMONS, INN
A survey of the principles of elementary education for teachers with less than professional certification. Credit applies toward certificate but not toward B.Ed.; may not be taken for credit by persons who have credit in Education 285–286. (Sections 1 and 2 for ATTP; Section 3 to be taken concurrently with S 258.) Daily 10:30–12:20

S 287 AUDIO-VISUAL EDUCATION (3) STRADLEY
(2 sections)
Theory, preparation, and use on all school levels of sensory aids to learning. Laboratory fee $3.00. Daily 8:05–9:20 11:30–12:45

S 291 TEACHING GIFTED CHILDREN (2) MCINTOSH
Problems of motivating and evaluating learning experiences of gifted children in the normal classroom. Prerequisite: teaching experience. Daily 10:30
S 292 (10) WORKSHOP IN THE TEACHING OF READING (5) CARLSEN
Teaching techniques and materials for developmental reading instruction, especially in grades seven to twelve; observation of and practice in individual diagnosis and remedial techniques for the poor reader; experimentation both in imparting and acquiring reading skills; identification of specific reading skills and techniques for improving vocabulary, comprehension and speed; exploration of the field of books for young readers; analyses of problems encountered in classroom situations by teachers enrolled in the workshop; improving of reading skill of the exceptionally able pupil.
Daily 8:05-10:20

S 293 THE TEACHING OF READING (2) ALM
Various techniques for teaching reading skills and improving reading skills in the elementary school.
Daily 9:30

S 297 ECONOMIC UNDERSTANDING FOR ELEMENTARY TEACHERS (2) SUEOKA
Economics at the child’s level of understanding; consideration of economics as an integral part of such subject matter areas in the elementary curriculum as arithmetic, social studies, and science; examination of elementary school textbooks, development of units with emphasis on economics.
Daily 10:30

S 323 BUSINESS MANAGEMENT PROBLEMS OF THE PRINCIPAL (2) NELSON
Problems and procedures in school budgets, office management, financial accounting, school supply and equipment management, insurance, non-instructional services.
Daily 8:30

S 328 SUPERVISION OF INSTRUCTION (2) PORTER
Principles underlying supervision, methods of supervision, in-service training of teachers, teacher evaluation, teachers’ meetings, development of group leadership, skill in human relations.
Daily 11:30

S 331 LEGAL ASPECTS OF SCHOOL ADMINISTRATION (2) NELSON
Legal structure for public education; Organic Act and statutory provisions, court decisions, and School Code regulations affecting rights and responsibilities of school personnel, parents, and pupils.
Daily 10:30

S 333 RECENT TRENDS IN SECONDARY SCHOOL MATHEMATICS (2) SIEMENS
Basic principles of teaching secondary school mathematics, with emphasis on recent trends and developments; critical analysis of current proposals for restructuring the high school mathematics curriculum. Prerequisite: teaching experience or consent of instructor.
Daily 11:30
S 340 PHILOSOPHY OF EDUCATION (3) BRACKENBURY
(2 sections)
Philosophy and science in education; social, psychological, and ethical consider­ations essential to the development of a philosophy of education; implications of philosophical viewpoints for policy in education.
Daily 8:05–9:20
11:30–12:45

S 350 HISTORY OF EDUCATION (2) CLOPTON
Survey of the history of educational thought and practice as a basis for the study of modern school problems.
Daily 10:30

S 365 SEMINAR IN SUPERVISION OF INSTRUCTION (2) PORTER
The supervisory work of the principal; the place of supervision; organization for supervisory service; techniques. Prerequisite: Education 328.
Daily 9:30

S 377 SEMINAR IN BUSINESS EDUCATION (2) MCGILL
Daily 8:30–10:20
(See above: S 216 BOOKKEEPING AND OFFICE PRACTICE)

S 380 RESEARCH AND THESIS WRITING (3) CLOPTON
Research techniques and thesis development; designed to assist students in thesis preparation. Prerequisite: Education 340; Psychology 351; consent of instructor. Course fee $6.00 for Graduate Record Examination.
Daily 8:05–9:20

S 390 PUBLIC SCHOOL ORGANIZATION (2) SIEMENS
The function of the teacher in school administration; state and territorial organization for administrative control of public education; rights and duties of teachers under Hawaiian school law and D.P.I. regulations; retirement system; teachers’ organizations; financing public education.
Daily 9:30
(For courses on School Library Management and Advanced Cataloguing see under LIBRARY SCIENCE. See also Problems in American Government under GOVERNMENT; Physical Education in Elementary School and School Health Problems under HEALTH AND PHYSICAL EDUCATION; various courses offered under MUSIC, PSYCHOLOGY, SCIENCE, SPEECH, and other departments.)

ENGINEERING

S CE 101 SURVEYING (4) STAFF
Use of tape, level, and transit; horizontal and vertical control surveys; computations. Daily recitations and field or drafting (laboratory) periods. Prerequisite: Mathematics 150; MD 101. Laboratory fee $2.00.
Recitations, daily 8:00–9:00 Laboratory, daily 9:00–12:00
S CE 227  ROUTE SURVEYING  (3)  CHIU, TINNISWOOD, SERBOUSEK
(3 sections)
Principally field work; curves, earthwork, grades, reconnaissance, preliminary
surveys, route location, and design. Prerequisite: CE 102. Laboratory fee $3.00.
Seven hours daily for three weeks, August 26–September 13.
Daily 8:00–4:00

S CE 251  STATICS  (3)  EVANS
Stresses in joint structures; effect of forces on bodies at rest. Prerequisite: one
semester of Physics 104.
Daily 8:05–9:20

S MD 101  MECHANICAL DRAWING  (2)  CORBA
Elements of drafting, sketching and lettering: isometric, oblique, and ortho-
graphic projections; working drawings, conventions, standards, and blueprint-
ing. Laboratory fee $1.00.
Daily 8:00–11:00

S MD 152  DESCRIPTIVE GEOMETRY  (2)  CORBA
Principles of descriptive geometry, basic point, line, intersections and develop-
ment of surfaces; applications to engineering problems. Prerequisite: MD 101.
Daily 1:00–4:00

ENGLISH

S 101  COMPOSITION  (3)  MANEY, SINCLAIR, LEIB
(3 sections)
Principles and practice of composition—expository forms. For all students
qualifying in university entrance examinations.
Daily 8:05–9:20
8:05–9:20
11:30–12:45

S 101C  COMPOSITION  (3)  LOWERS, WINTERS
(2 sections)
Principles and practice of composition. Second semester’s work. Prerequisite:
English 101.
Daily 8:05–9:20
11:30–12:45

S 150  INTRODUCTION TO ENGLISH LITERATURE  (3)  DAY
English literature from the beginnings to 1800.
Daily 8:05–9:20

S 150C  INTRODUCTION TO ENGLISH LITERATURE  (3)  GEORGE
English and American literature from 1800 to the present.
Daily 8:05–9:20
S 208 INTRODUCTION TO POETRY (2) WINTERS
Analysis of selected English and American poems of the past and present, emphasizing problems of communication and appreciation.
Daily 8:30

S 210 REPORT WRITING (2) ABRUMS
Principles of technical exposition, with composition and analyses of reports, papers, and selected types of professional writing. Supplemented by readings and discussions of selections from general literature. Prerequisite: English 101C or the equivalent.
Daily 10:30

S 217 THE SHORT STORY (2) DAY
A reading survey covering important mutations of the short story in English from Poe to the present.
Daily 10:30

S 263 LITERATURE OF THE PACIFIC (3) STROVEN
The literature of the Pacific Islands and Australia: narratives of voyagers and travelers, translations of native folk literature, and short stories and novels by such writers as Melville, Stevenson, London, Becke, and Nordoff and Hall.
Daily 8:05-9:20

S 275 SEVENTEENTH CENTURY ENGLISH LITERATURE (2) LOWERS
Poetry and prose of the Jacobean, Commonwealth, and Restoration Periods.
Daily 11:30

S 280 EIGHTEENTH CENTURY ENGLISH LITERATURE (2) GEORGE
Poetry and prose from 1688–1780, exclusive of the drama and novel, with emphasis on major authors.
Daily 10:30

S 288 CONTEMPORARY BRITISH LITERATURE (2) BOUSLOG
Representative works of the leading British novelists and poets since 1900, with emphasis on Conrad, Lawrence, Joyce, Woolf.
Daily 9:30

S 311 SEMINAR IN ENGLISH LITERATURE (2) BOUSLOG
Studies in the poetry of Wordsworth and Coleridge. Prerequisite: graduate standing.
M W F 11:30

S 313 SEMINAR IN RESEARCH METHODS (1) BOUSLOG
Materials of English studies; problems of bibliography; fundamentals of thesis writing. Required of all candidates for the M.A. degree in English. Prerequisite: graduate standing.
T Th 11:30
(For a course on Chinese Literature in English, see under CHINESE, and for a course on Japanese Literature in English, see under JAPANESE.)
FRENCH

S 100  ELEMENTARY FRENCH  (3)  ASPINWALL

An intensive course in reading, writing and conversation, with additional oral practice in the language laboratory; the equivalent of a full semester’s work in the academic year. Laboratory fee $1.00. First 5-week term: June 24–July 26. Daily 8:00–10:00 Laboratory hours to be arranged with instructor

S 100C  ELEMENTARY FRENCH  (3)  SINGER

Continuation of S 100; the equivalent of the second semester’s work in the academic year. Students completing this course with a passing grade may take Intermediate French. Laboratory fee $1.00. Second 5-week term: July 29–August 30. Daily 8:00–10:00 Laboratory hours to be arranged with instructor

GEOGRAPHY

S 256  GEOGRAPHY OF JAPAN  (2)  MANCHESTER

The regional study of the geography of Japan. A detailed study of the people and resources of the land. Students to purchase their own maps for classwork. Daily 11:30

S 260  GEOGRAPHY OF HAWAII  (2)  PHANAIA

The regional, physical, and cultural geography of Hawaii. A detailed study of the people and the resources of the Islands. Students to purchase their own maps for classwork. Daily 10:30

S 263  GEOGRAPHY OF THE PACIFIC ISLANDS  (2)  MANCHESTER

Polynesia (except Hawaii), Melanesia, and Micronesia. Students to purchase their own maps for classwork. Daily 9:30

GOVERNMENT

S 150  INTRODUCTION TO GOVERNMENT  (3)  TUTTLE


S 201  INTERNATIONAL RELATIONS OF LATIN AMERICA  (2)  MILLER

The position of Latin American Nations in the contemporary world; emphasis on relations with the United States and the development of the Organization of American States. Role in the East-West struggle and in the United Nations.
Interaction of domestic politics and foreign policies.
Daily 8:30

S 246 THE ORIENT IN WORLD POLITICS DURING THE TWENTIETH CENTURY (2) Das

The introductory lectures will deal with world politics as influenced by foreign policies of great powers and nationalism in the Orient at the opening of the twentieth century. Attention will then be directed to such topics as the Open Door Policy in China, the Anglo-Japanese Alliance, the Russo-Japanese War, the Triple Entente and the Orient, the Young Turk Movement, German March to the Middle East, World War I and the Orient, the dismemberment of the Ottoman Empire, the Turkish and Persian Revolutions, nationalism in the Orient between World War I and World War II, the Orient and World War II, and the Orient after World War II.
Daily 11:30

S 252 INTRODUCTION TO CONSTITUTIONAL LAW (2) Spellacy

Examination of principal cases concerned with state relations, due process of law, interstate commerce, and related subjects.
Daily 11:30

S 266 COMPARATIVE GOVERNMENT: INSTITUTIONS AND PROCESSES (2) Miller

Classification of major structural types; levels, range and "universe" of decision-making; patterns in executive-legislative relations. (Comparative parliamentarism to be the central theme in 1957, with emphasis upon the organization and functions of the Japanese Diet and the British Parliament.)
Daily 10:30

S 287 PROBLEMS IN AMERICAN GOVERNMENT (2) Kosaki, Tuttle

Special topics in the field of American government and politics. Training in research methods. Intended primarily, but not exclusively, for teachers.
Daily 9:30

S 289 POLITICAL THEORY: MAJOR CONCEPTS (3) Kosaki

The statement and analysis of the outstanding problems of political theory; their universality in time and space; major solutions proposed.
Daily 8:05–9:20

HEALTH AND PHYSICAL EDUCATION

S 110 SWIMMING FOR BEGINNERS (1) Asato
(2 sections)

Open only to those who cannot swim at least 50 yards. Emphasis will be placed upon the development of the proper movements, breathing, and co-ordination necessary in the basic skills of swimming. Activities and locker fee $3.00.
Daily 8:30, 9:30

37
S 112 **ADVANCED SWIMMING** (1)  
(2 sections)  
For students who have met the basic requirements in swimming and desire to develop additional skills in swimming and diving. Activities and locker fee $3.00.  
Daily 10:30, 11:30

S 124 **DANCES OF HAWAII** (1)  
(12 sections)  
This course is designed to acquaint the student with the background and fundamentals of the hula. Selected dances will be taught, with and without instruments. Activities and locker fee $3.00. For certain advanced dances, an additional fee of $4.00 may be assessed for purchase of appropriate stones and bamboo sticks (puilis).  
Daily 8:00, 9:00, 10:00, 11:00, 12:00

S 221 **PHYSICAL EDUCATION IN ELEMENTARY SCHOOL** (2)  
(2 sections)  
Content and method for programs on the elementary school level. Adaptations to meet situations with like age groups outside school will also be discussed. Activities and locker fee $3.00.  
Daily 7:50–9:20, 9:30–11:00

S 230 **SCHOOL HEALTH PROBLEMS** (2)  
JOHNS  
Health needs of the school child and principles, methods, and materials applicable to the school health program.  
Daily 11:30

S 330 **SEMINAR IN HEALTH EDUCATION** (2)  
JOHNS  
Study and discussion of selected problems in health education as determined by individual and group interest and needs.  
Daily 9:30

**HISTORY**

S 100 **WORLD CIVILIZATION** (3)  
MARDER  
A survey of the more significant political, social, economic, and intellectual factors in the development of civilization from the ancient Orient and classical Greece and Rome to the seventeenth century, with emphasis on the Western civilizations. Course lectures will, in general, supplement the assigned reading, and will include material on the more significant personalities and events that every educated person should know, will attempt to give a sense of the present relevance of the great ideas and developments of the past, and will attempt to bring out the big formative influences in the Asian civilizations, so that we can understand these peoples better. First 5-week term: June 24–July 26.  
Daily 7:50–9:20

38
Continuation of the history of world civilization from the seventeenth century to the present day. Second 5-week term: July 29–August 30.

Daily 7:50–9:20

The religious, cultural and social backgrounds of the American people.

Daily 8:05–9:20

A survey of all aspects of Russian history—political, economic, social, intellectual—from the beginning to the Bolshevik Revolution of 1917.

Daily 9:30

A study of the commercial and political activities of the European Powers in India, British rule in India, the rise of nationalism, the development of responsible government, the partition of India, the rise of Pakistan and the Republic of India since 1947, and the place of India in world politics.

Daily 9:30

An examination of the main political, intellectual, and diplomatic currents in American history since 1900. Emphasis will be put on such focal trends as the rise and decline of reform movements, the development of a consumer-oriented economy, the emergence of the United States as a world power, and the changing character of the conflict between liberty and security.

Daily 9:30

This course deals with the principal economic developments in the United States since the Civil War. It considers such topics as the growth of industrial and finance capitalism, the economic interests of the various sections, the labor movement, the farmer in an industrial nation, and business enterprise and foreign policy.

Daily 11:30

Growth of economic and political interests and policies in the Pacific area.

Daily 10:30

A general course with some detail. Emphasis on the period of the monarchy.

Daily 8:30

Expansion of European commerce, missionary activity, settlement; effects on
native peoples in Australasia, Melanesia, Micronesia, Polynesia.
Daily 9:30

S 279 AUSTRALIA AND NEW ZEALAND (2) MURPHY
Major historical developments from colonization to independent nationhood; present problems and policies.
Daily 11:30

S 297 HISTORY OF JAPANESE CULTURE (2) SHAW
A survey of the cultural life of the Japanese people from prehistoric times to the present.
Daily 8:30

HOME ECONOMICS

S HS 110 FOODS OF THE PACIFIC (2) MURAI, BARTOW
Designed to acquaint the student with the cookery, food habits, and customs of the nations bordering on the Pacific and represented in Hawaii. Chinese, Filipino, Hawaiian, Japanese, and Korean foods will be prepared and served. Trips to food markets and factories will be arranged if desired. One 2-hour lecture period and two 3-hour laboratory periods weekly. Prerequisite: Home Economics courses in foods or previous experience in food preparation or consent of instructor. Laboratory fee: $20.00.
Lecture, M 10:30-12:20 Laboratory, T Th 10:30-12:20 or W F 10:30-12:20

JAPANESE

S 100 ELEMENTARY JAPANESE (3) FUJIoka
An intensive course in reading, writing and conversation, with additional oral practice in the language laboratory; the equivalent of a full semester's work in the academic year. Laboratory fee $1.00. First 5-week term: June 24–July 26.
Daily 8:00–10:00 Laboratory hours to be arranged with instructor

S 100C ELEMENTARY JAPANESE (3) FUJIoka
Continuation of S 100; the equivalent of the second semester's work in the academic year. Students completing this course with a passing grade may take Intermediate Japanese. Laboratory fee $1.00. Second 5-week term: July 29–August 30.
Daily 8:00–10:00 Laboratory hours to be arranged with instructor

S 260 JAPANESE LITERATURE IN ENGLISH (2) SHAW
A survey of Japan and the Japanese as revealed in Japanese fiction, poetry, drama and miscellaneous writings from the earliest times to the present. No knowledge of the Japanese language required.
Daily 10:30
LIBRARY SCIENCE

S 265  SCHOOL LIBRARY MANAGEMENT  (3)  Crawford
Principles and objectives of library service in the elementary and intermediate schools; administrative techniques and educational duties of the librarian. Lectures and discussions and laboratory work (hours arranged) on practical problems.
Daily 8:05–9:20

S 269  ADVANCED CATALOGUING  (2)  Crawford
Practice in more detailed cataloguing problems for students planning to work in secondary school libraries, or for in-service students with some previous training or experience. Prerequisite: Library Science 268; typing ability.
Daily 10:30

MATHEMATICS

S 149  INTERMEDIATE ALGEBRA  (3)  CORE
Daily 8:05–9:20

S 150  PLANE TRIGONOMETRY  (3)  CORE
Prerequisite: two years of high school algebra or Mathematics 149; one year of plane geometry. No credit if taken after Mathematics 152.
Daily 11:30–12:45

S 151  COLLEGE ALGEBRA  (3)  SIU
(2 sections)
Prerequisite: two years of high school algebra or Mathematics 149; one year of plane geometry.
Daily 8:05–9:20
11:30–12:45

S 152  PLANE ANALYTICAL GEOMETRY  (3)  Gregory
Prerequisite: Mathematics 150; credit or concurrent registration in Mathematics 151.
Daily 8:05–9:20

S 153  DIFFERENTIAL CALCULUS  (3)  Townes
(2 sections)
Prerequisite: Mathematics 152.
Daily 8:05–9:20
11:30–12:45

S 154  INTEGRAL CALCULUS  (3)  Gregory
Prerequisite: Mathematics 153.
Daily 11:30–12:45
MEDICAL TECHNOLOGY

S 266 MEDICAL TECHNOLOGY (4) KAGAWA

Student technician training in a co-operating laboratory under the supervision of a qualified director. Prerequisite: Bacteriology 262, 264. Hours arranged by instructor.

MUSIC

S 106 GROUP VOICE INSTRUCTION (1) VINE

Basic principles of voice production and elementary music skills in classes of twenty. M W F 10:30

S 110 MUSIC APPRECIATION (3) VAUGHT

An introduction to music from the listener’s point of view, with concentration on orchestral literature from the classical through the modern period. Emphasis on listening to recorded music. Course fee $2.00. Daily 8:05–9:20

S 140 RECREATIONAL MUSIC (2) RIAN

Stress on skills necessary for leaders of recreational activities: methods, materials, and organization of recreational activities for the home, the school, the church, and the community, including experience on Hawaiian instruments. Daily 10:30

S 150 ELEMENTARY MUSICIANSHIP (2) BURKE

The elements of musicianship covering terminology, notation, sight singing, and rhythmic and melodic dictation. A basic course for all prospective teachers. May be required of music majors who lack experience and training. Daily 9:30

S 159 INSTRUMENTAL MUSIC (2) VAUGHT

Intended for students preparing to teach instrumental music. Designed to give a basic knowledge of the instruments of the band and orchestra. String instruments only. Daily 10:30

S 209 UNIVERSITY CHORUS (1) RIAN

Daily 11:30

S 230 MUSIC OF THE FAR EAST (3) SMITH

A general introduction to the folk and traditional music of Asia. Designed to promote understanding of this music through the use of recordings, demonstrations, pictures, etc. Prerequisite: some work in appreciation, fundamentals or applied music; or consent of instructor. Course fee $3.00. Daily 11:30–12:45
S 251 MUSIC, ELEMENTARY CURRICULUM (2) RIAN

APPLIED MUSIC

S 101 (1) CLASS INSTRUCTION (1) BURKE
Class instruction in piano. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
M Th 8:05–9:20
M Th 11:30–12:45

S 101 (2) CLASS INSTRUCTION (1) VINE
Class instruction in voice. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hours arranged.

S 101 (3) CLASS INSTRUCTION (1) VAUGHT
Class instruction in string instruments. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hours arranged.

S 101 (4) CLASS INSTRUCTION (1) STUBBS
Class instruction in woodwind instruments. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hours arranged.

S 101 (5) CLASS INSTRUCTION (1) STUBBS
Class instruction in brass instruments. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hours arranged.

S 101 (6) CLASS INSTRUCTION (1) STUBBS
Class instruction in percussion instruments. Two lessons per week. Practice facilities in Music Building. Course fee $20.00.
Hours arranged.

S 102 (1, 2, 3, 4, 5, 6) CLASS INSTRUCTION (1) STAFF
Class instruction in piano, voice, strings, brass, and percussion. Course fee $20.00. Practice facilities in Music Building. Two lessons per week.
Hours arranged.

S 105, S 149, S 169, S 249, S 269, S 349 INDIVIDUAL INSTRUCTION (1) STAFF
Individual instruction in voice, piano, organ, woodwinds, strings, brass, and percussion at freshman, sophomore, junior, senior and graduate levels. Course
number assigned after auditions with Music Department staff members. Fifteen lessons during the period. Practice facilities in Music Building. Course fee $55.00. Students must see the Chairman of the Music Department before registering.

NURSING

S 210 TUBERCULOSIS NURSING (8) CAMARA
Study of tuberculosis as a communicable disease and methods of prevention, early detection, treatment, patient education, nursing care, and rehabilitation. Practice in comprehensive care of patients, including out-patient and home follow-up. 8 weeks.
Hours arranged.
Registration in this course is restricted to students in the School of Nursing except by special permission.

S 290 FIELD WORK IN PUBLIC HEALTH NURSING (8) TAMASHIRO
Instruction and guided experience in home visiting for bedside and instructive care, in school health work, in maternal and child health conferences and in chest and other clinics. Open only to qualified public health nursing students.
8 weeks.
Daily 7:45–4:30
Registration in this course is restricted to students in the School of Nursing.

PHILOSOPHY

S 100 INTRODUCTION TO PHILOSOPHY (3) NAGLEY
The problems, methods, and fields of philosophy.
Daily 8:05–9:20

S 200 ETHICS—PHILOSOPHIES OF LIFE (2) NAGLEY
Major philosophies and typical theories of the nature of the good life and of the basic values of human living; consideration of Eastern as well as Western philosophies of life.
Daily 10:30

PHOTOGRAPHY

S 100 PRINCIPLES OF PHOTOGRAPHY (2) HAYASHI
The science of photography. The camera, its construction and use; image formation; lenses, their characteristics and aberrations; shutters; film construction and use, both color and black and white; filters and their use; processing of films; printing by contact and projection. Lectures; demonstrations. Students are required to have a camera. Course fee $1.00.
M W F 1:30–2:45
PSYCHOLOGY

Except for students registered in Teachers College, Psychology 150 is prerequisite for all other psychology courses; students in Teachers College may substitute Psychology 156 for Psychology 150.

**S 150 General Psychology (4)**  
Kalish, Arkoff  
A survey of the facts and principles fundamental to human behavior and experience. Individual differences, personality, motivation, emotion, sensation, perception, learning, and thinking. Lecture and laboratory. Laboratory fee $1.00.  
Daily 8:05–9:20  
Laboratory, M W 10:30–12:20, 1:10–3:00

**S 185 Psychology of Infancy and Childhood (2)**  
Crowell  
Principles basic to the normal development of the infant and child; emphasis upon physical, emotional, intellectual, and social development.  
Daily 9:30

**S 186 Psychology of Adolescence and Maturity (2)**  
Kalish  
Developmental characteristics during preadolescent, adolescent, and adult years; emphasis upon physical, emotional, intellectual, and social factors and changes.  
Daily 10:30

**S 256 Industrial and Business Psychology (3)**  
Bellobes  
Psychological principles in job analysis, rating methods, selection and classification of workers, fatigue and efficiency, human engineering, safety, training, motivation of workers, and social factors in industry.  
Daily 8:05–9:20

**S 257 Principles of Counseling (2)**  
Dole  
Counseling as a technique in individual guidance. Needs; objectives; psychological bases of counseling; procedure; available services. Prerequisite: Psychology 254.  
Daily 9:30

**S 260 Statistical Techniques (3)**  
Weaver  
Use of statistical techniques in psychological problems; measures of central tendency and variability; graphic methods; zero order correlation; reliability of measures; tests of significance.  
Daily 8:05–9:20

**S 280 Social Psychology (2)**  
Digman  
The psychology of human relations; psychological factors that determine the behavior of an individual in his social relationships.  
Daily 9:30

**S 283 Psychology of Personality (3)**  
Vinacke  
The development of personality; components of personality; critical evaluation of research on various aspects of personality.  
Daily 8:05–9:20
S 284 Psychology of Motivation (2) Vinacke

A survey of principles and research in human motives and their regulation, together with relevant animal studies. Covers instinct, drive, motives, emotion, and attitudes, with attention to their biological bases and modification and organization during development.

Daily 10:30

S 292 Mental Hygiene (3) Arkoff

Conditions requisite to mental health and satisfactory social adjustment; causes and means of preventing maladjustments and neuroses.

Daily 8:05-9:20

S 295 Abnormal Psychology (3) Crowell

The nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; incipient abnormal traits manifested in everyday life; psychotherapy.

Daily 8:05-9:20

Equipment and supplies for science classrooms are analyzed and evaluated as existing and new curricular materials are studied. Students learn ways to incorporate recent scientific developments in the science work of elementary and secondary schools.

46
S 296  **Psychology of Industrial Supervision and Leadership**  (2)  
_Bellows_

Application of facts, methods and results of research to problems of supervision; techniques of executive development; democratic and autocratic principles of leadership; research methods in the solution of supervisory problems.  
Daily 10:30

S 351  **Advanced Educational Psychology**  (3)  
_Digman_

Application of experimental evidence in psychology to major educational problems; the bearing of recent psychological theories upon education.  
Daily 11:30-12:45

**RELIGION**

S 151  **Religion and the Meaning of Existence**  (2)  
_Aoki_

An introduction to the basic ideas and issues of contemporary religious thought as they are related to the question, "What is the meaning of existence?" Among the issues to be discussed are: the relation of religion to science, philosophy and culture; history as the sphere of responsibility and decisions; the content of such basic concepts as God, faith, estrangement and reconciliation.  
Daily 9:30

**SCIENCE**

S 320  **Recent Developments in Biological Sciences**  (2)  
_Staff_

Survey of the field of the biological sciences. Recent discoveries and theories and their relation to the physical and chemical properties of the organism: Mitosis, meiosis, embryology, and genetics: radiological impacts upon organisms, and upon biological research and organic evolution. Lectures, demonstrations, projects and discussion sessions.  
Hours to be arranged. June 20-August 14.

S 322  **Recent Developments in Physical Sciences**  (2)  
_Staff_

Survey of the field of physical and earth sciences. Present concepts of nuclear, atomic and molecular structure. Correlation of physical and chemical properties of matter with its elemental structure. Lectures, demonstrations, projects and discussion sessions.  
Hours to be arranged. June 20-August 14.

**SOCIAL WORK**

S 200  **The Field of Social Work**  (2)  
_Jambor_

A nonprofessional orientation course intended to acquaint the student with the

* See page 13 for information on the Institute for Science Teachers, in which the two courses here listed will be offered.
philosophy, scope, and aims of social work. Prerequisite: junior standing.
Daily 9:30

**SOCIOMETRY**

S 151  **INTRODUCTION TO THE STUDY OF SOCIETY**  (3)  Locke
An orientation course. The basic social relationships and the corresponding
social structures.
Daily 8:05–9:20

S 250  **COMMUNITY FORCES IN HAWAII**  (3)  Yamamoto
The basic factors and forces operating in contemporary society, with special
attention to Hawaii. An orientation course designed for students planning
careers in teaching, vocational home economics, recreation, public health,
medicine, and other professions. Not open to students majoring in Sociology
except by consent of instructor.
Daily 11:30–12:45

S 256  **RACE AND CULTURE CONTACTS IN HAWAII**  (2)  Lind
The dominant conceptions of race and race relations in Hawaii, and an analysis
of the principal factors affecting them. Problems of culture contacts in a com­
mercial and plantation frontier.
Daily 8:30

S 257  **RACE RELATIONS IN THE PACIFIC**  (2)  Lind
A survey of typical situations of race and culture contacts in the Pacific area.
Daily 11:30

S 259  **PEOPLES AND INSTITUTIONS OF JAPAN**  (2)  Yamamoto
Social change in the institutional patterns and attitudes of different social
classes in Japan, with special attention to the accelerated change since World
War II.
Daily 9:30

S 267  **THE FAMILY**  (2)  Locke
Culturally distinctive family types as background for analysis and interpretation
of American family life in its societal contexts.
Daily 10:30

**SPEECH**

S 100  **FUNDAMENTALS OF SPEECH**  (1)  Hoshor
(2 sections)
Speech as communication for social interaction. Information concerning speech
production with emphasis on organization of ideas; training for mastery of
speech standards. Conferences required. Course fee $1.00.
Daily 8:30
10:30
S 105 Sounds of English for Prospective Teachers (1)  
(4 sections)  
Linn, Hervey, Ritter  
The basic principles of sounds and rhythms of General American speech.  
Techniques for the correction of pronunciation and the improvement of  
rhythm. Use of the International Phonetic Alphabet. Conferences required.  
Course fee $1.00.  
Daily 8:30 9:30  
9:30 10:30  

S 150 Public Speaking (2)  
(2 sections)  
Linn, Hoshor  
Basic principles of speech composition and delivery; preparation and delivery  
of speeches with attention to principles studied; special assistance with in- 
dividual problems.  
Daily 8:30 11:30  

S 228 Semantics (3)  
Hayakawa  
The role of language in understanding. The study of verbal meanings and  
implications, and of the role of communication in interpersonal and inter-group  
relations. Practice in the use of analysis of language for clarity, accuracy, and  
proper evaluation.  
Daily 11:30-12:45  

S 230 Oral Reading for Prospective Teachers (1)  
(2 sections)  
Kentzler  
The oral interpretation of literature; getting and giving the meaning of the  
printed word. Conferences required. Prerequisite: Speech 100, 105. Course  
fee $1.00.  
Daily 8:30 11:30  

S 250 Group Leadership and Discussion (2)  
Hayakawa  
An examination and application of current theories of communication and  
group interaction; social and educational implications of general semantics,  
group dynamics, cybernetics, nondirective counseling, and anthropological  
linguistics.  
Daily 9:30  

S 265 Speech for the Classroom Teacher (2)  
(5 sections)  
Hervey, Ritter, Linn, Kentzler  
Speech pedagogy; principles and methods for the classroom teacher. Integration  
of speech improvement with all activities in the curriculum, with particular  
attention to speech problems in Hawaii. Prerequisite: Speech 100, 105.  
Daily 8:30 10:30  
9:30 10:30  
11:30
S 300  DIRECTED READING  (1 or 2)

For Master's degree candidates only; special permission of the department chairman required.
Hours arranged.

ZOOLOGY AND ENTOMOLOGY

S 191  ELEMENTARY HUMAN ANATOMY AND PHYSIOLOGY  (3)  HSIAO

A general survey of the gross anatomy and physiology of the human body. Lecture-demonstration periods. Laboratory fee $3.00. Not open to students who have had Zoology 291.
Daily 11:30-12:45
Postsession
August 5–August 23

EDUC. PS 264  ART FUNDAMENTALS FOR THE TEACHER  (2)
Introduction to art media for the teacher, place of art in society and the school, development of art principles through art activity, organization of children's art materials. Studio fee $5.00.
Daily 8:30–12:00

EDUC. PS 350  HISTORY OF EDUCATION  (2)  CLOPTON
Survey of the history of educational thought and practice as a basis for the study of modern school problems.
Daily 8:30–10:20

HPE PS 221  PHYSICAL EDUCATION IN ELEMENTARY SCHOOL  (2)  SAAKE
(2 sections)
Content and method for programs on the elementary school level. Adaptations to meet situations with like age groups outside school will also be discussed. Activities and locker fee $3.00.
Daily 8:00–10:20
10:30–12:50

PSYCH. PS 351  ADVANCED EDUCATIONAL PSYCHOLOGY  (3)  WHITE
Application of experimental evidence in psychology to major educational problems; the bearing of recent psychological theories upon education.
Daily 8:00–10:30

SPEECH PS 266  SPEECH FOR THE CLASSROOM TEACHER  (2)  RITTER, HERVEY
(3 sections)
A shorter course in speech for the classroom teacher, incorporating the most useful principles of speech pedagogy. Special techniques for speech improvement in Hawaii. Special course planned for ATTP students. Prerequisite: Speech 105.
Daily 8:00–10:00
10:00–12:00
1:00–3:00

ZOOLOGY PS 201  LIFE IN THE SEA  (2)  TOWNSLEY
A nontechnical account of life in the sea, with special emphasis on aspects of the sea important as background information for school teachers. Movies and frequent field trips to the coral reef and on oceanographic vessels acquaint the student with all aspects of ocean life.
Daily 8:30–10:20  Trips arranged
Regular Session

HILO BRANCH

June 24–August 2

EDUCATION S 226 SOCIAL STUDIES, ELEMENTARY (2) LAMBERT
The scope and organization of social studies in all grades of the elementary school; units of instruction; utilization of community resources; not open to students who have credit in Education 240, Social Studies and Science, Elementary.
Daily 10:00

EDUCATION S 269 PROBLEMS OF SCHOOL ADJUSTMENT (2) IN
Principles of behavior which affect human relationships in the school, with emphasis upon application to actual situations.
Daily 9:00

EDUCATION S 291 TEACHING GIFTED CHILDREN (2) LAMBERT
Problems of motivating and evaluating learning experiences of gifted children in the normal classroom. Prerequisite: teaching experience.
Daily 11:00

EDUCATION S 292 (1-4) WORKSHOP IN TEACHING OF SCIENCE (4) WEBER
Ways in which the curriculum of the elementary and secondary schools can utilize and incorporate recent scientific developments; examination of existing and preparation of new curricular materials; evaluation of newer teaching techniques; discussion of trends in science education; analysis of essential equipment and supplies for science classrooms.
Daily 10:00–12:00

EDUCATION S 328 SUPERVISION OF INSTRUCTION (2) IN
Principles underlying supervision, methods of supervision, in-service training of teachers, teacher evaluation, teachers' meetings, development of group leadership, skill in human relations.
Daily 8:00

HISTORY S 110 INTRODUCTION TO AMERICAN HISTORY (3) INOUYE
The religious, cultural, and social backgrounds of the American people.
Daily 9:00–10:15