SUMMER SESSION CALENDAR
1952

June 23, Monday . . . . . . . Registration
June 24, Tuesday . . . . . . . Classes begin
July 4, Friday . . . . . . . Holiday
August 1, Friday . . . . . . . Session ends

THE COVER.—Top, Founders' Gate and the Administration Building. Bottom, Waikiki Beach, Manoa Valley, and the Koolau Range.

The University of Hawaii Bulletin is published quarterly by the University of Hawaii, Honolulu, Hawaii, U.S.A. Entered as second-class matter at the post office at Honolulu, Hawaii, November 14, 1921, under Act of Congress of August 24, 1912.
**RESERVATION FORM**

To be filled out and sent to Director of Summer Session, University of Hawaii, Honolulu 14, Hawaii, if the student plans to register in any of the following courses:

(Please check course or courses desired.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educ. S 292h</td>
<td>Workshop in the Teaching of Reading</td>
</tr>
<tr>
<td>Educ. S 292i</td>
<td>Workshop in Human Relations in the School</td>
</tr>
<tr>
<td>Educ. S 292m</td>
<td>Workshop in Creative Art Teaching</td>
</tr>
<tr>
<td>HE S HE 292b</td>
<td>Workshop in Family Life Education</td>
</tr>
<tr>
<td>HE S HE 292c</td>
<td>Workshop in Family Life Education</td>
</tr>
<tr>
<td>Music S 292</td>
<td>Music Workshop for Elementary Teachers</td>
</tr>
<tr>
<td>Art S 160</td>
<td>Ceramics</td>
</tr>
<tr>
<td>Art S 161</td>
<td>Ceramics</td>
</tr>
<tr>
<td>Art S 176</td>
<td>Beginning Weaving</td>
</tr>
<tr>
<td>Art S 276</td>
<td>Advanced Weaving</td>
</tr>
</tbody>
</table>

**Name**

**LAST**

**GIVEN**

**Permaoent address**

<table>
<thead>
<tr>
<th>NO.</th>
<th>STREET</th>
<th>CITY</th>
<th>STATE OR TERRITORY</th>
</tr>
</thead>
</table>

**Honolulu address if any**

**Present status:**

- Regular student University of Hawaii (CHECK)
- Regular student elsewhere (INDICATE UNIVERSITY OR COLLEGE)
- Presently employed (INDICATE OCCUPATION)

Experience or college work in field covered by course in which registration is planned:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Regular student University of Hawaii (CHECK)
- Regular student elsewhere (INDICATE UNIVERSITY OR COLLEGE)
- Presently employed (INDICATE OCCUPATION)

Experience or college work in field covered by course in which registration is planned:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
THE 1952 SUMMER SESSION

ADMINISTRATIVE STAFF

GREGG M. SINCLAIR, LL.D. ........................................ President of the University
PAUL S. BACHMAN, Ph.D. ........................................ Vice-President and Director of the Summer Session
THAYNE M. LIVESAY, Ph.D. ........................................ Dean of the Graduate School
W. WILLARD WILSON, Ph.D. ........................................ Dean of the College of Arts and Sciences
BRUCE WHITE, Ph.D. ............................................... Dean of Teachers College
WILFRED J. HOLMES, M.S. ......................................... Dean of the College of Applied Science
HAROLD A. WADSWORTH, B.S. ..................................... Dean of the College of Agriculture
HAROLD S. ROBERTS, Ph.D. ....................................... Dean of the College of Business Administration
HAROLD M. BITNER, Ph.D. ........................................ Acting Dean of Student Personnel and Director of Admissions
KATHARINE N. HANDLEY, M.S.W ................................ Director of the School of Social Work
ALBERT J. MCKINNEY, Ph.D. .................................... Director of the University Extension Division
EDMUND F. SPELLACY, Ph.D. ..................................... Veterans’ Adviser
CARL G. STROVEN, Ph.D. .......................................... Librarian
JOSEPH M. SKORPEN, B.A. ....................................... Treasurer
HELEN B. MACNEIL, M.A. ......................................... Registrar
BARBARA M. CLARK, M.A. ......................................... Director of the Bureau of Student Activities and Residences
ARTHUR DOLE, Ph.D. ............................................. Director of the Bureau of Testing and Guidance

VISITING FACULTY

MURIEL W. BROWN, Ph.D., Consultant in Family Life Education, Home Economics Education Service, U.S. Office of Education
TARAKNATH DAS, Ph.D., Lecturer in History, Columbia University; Adjunct Professor of Public Affairs and Regional Studies, New York University
MAX ERNST, Painter and Leader in Surrealist Movement in Germany, France, and the United States since 1913
DAVID E. FAVILLE, M.B.A., Professor of Marketing, Graduate School of Business, Stanford University
ROY L. GARIS, Ph.D., Professor of Economics, University of Southern California
HENRY E. GARRETT, Ph.D., Professor of Psychology and Chairman, Department of Psychology, Columbia University
PAULINE F. HALL, B.A., Lecturer in English, School of Business Administration, University of Michigan
ROBERT B. HALL, Ph.D., Professor of Geography and Director, Center for Japanese Studies, University of Michigan
ALICE V. KELIHER, Ph.D., Professor of Education, School of Education, New York University
IRVING LEE, Ph.D., Professor of Public Speaking and Chairman, Department of Public Speaking, School of Speech, Northwestern University
MARGARET M. McCARTHY, Ph.D., Assistant Professor of Speech, Brooklyn College
RICHARD MOODY, Ph.D., Assistant Professor of Speech, Indiana University, and Assistant Director, Indiana University Theatre
HENRY J. OTTO, Ph.D., Graduate Professor of Elementary Administration and Curriculum, College of Education, University of Texas
DAVID H. RUSSELL, Ph.D., Professor of Education, School of Education, University of California
DOROTHEA TANNING, Professional Painter and Teacher
KIMBALL YOUNG, Ph.D., Professor of Sociology and Chairman, Department of Sociology, Northwestern University
ALEX H. ZIMMERMAN, Ph.D., Director of Music Education, San Diego City Schools
RESIDENT FACULTY

Tom E. Airums, M.A., Instructor in English
Ave Arkoff, Ph.D., Assistant Professor of Psychology
Paul S. Bachman, Ph.D., Professor of Government
Albert H. Banner, Ph.D., Associate Professor of Zoology
Lucie F. Bentley, M.A., Instructor in Speech
Otto J. Beyers, Ed.D., Associate Professor of Education
Edward J. Britten, Ph.D., Assistant Professor of Botany
Hubert E. Brown, Ph.D., Professor of Health and Physical Education
Thetis M. Bucklin, Ed.D., Assistant Professor of Health and Physical Education
Oswald A. Bushnell, Ph.D., Associate Professor of Bacteriology
Paolo Coia, Ph.D., Assistant Professor of Mathematics
J. Huey Cox, M.A., Assistant Professor of Art
David Crowell, Ph.D., Assistant Professor of Psychology
John M. Digman, Ph.D., Assistant Professor of Psychology
John A. Easley, B.S., Instructor in Education
E. Gustav Ecke, Ph.D., Professor of Art
Charles A. Engman, M.S., Instructor in Civil Engineering
John R. Evans, M.A., Assistant Professor of Engineering
Hubert V. Everly, Ph.D., Associate Professor of Psychology
Reuel L. Fick, Ed.D., Associate Professor of Education
Thomas H. Fujimura, Ph.D., Assistant Professor of Engineering
May K. Gay, M.A., Assistant Professor of Health and Physical Education
Clarence E. Glick, Ph.D., Professor of Sociology
Christopher Gregory, Ph.D., Associate Professor of Mathematics
Dorothy Henderson, M.S., Instructor in Home Economics
Ralph C. Hoefer, Ph.D., Associate Professor of Economics and Business
Claude F. Horan, M.A., Associate Professor of Art
John P. Hoshior, Ph.D., Assistant Professor of Speech
Richard D. Isler, B.D., Lecturer in Religion
Virginia A. Jones, M.Ed., Associate Professor of Nursing

Dorothy M. Kahananui, M.Ed., Instructor in Music
Robert M. Kamins, Ph.D., Associate Professor of Economics
Juanita Kenda, B.F.A., Lecturer in Education
Marian Kerr, M.M., Lecturer in Music
Alfons L. Korn, M.A., Assistant Professor of English
Edna Lee Leih, M.A., Assistant Professor of Education
Thayne M. Livesay, Ph.D., Professor of Psychology
James K. Lowers, Ph.D., Assistant Professor of English
Arthur J. Marder, Ph.D., Professor of History
Stephen Mark, S.T.M., Lecturer in Religion
Robert M. Martin, Ph.D., Assistant Professor of Education
Donald C. Matthews, Ph.D., Associate Professor of Zoology
Harold E. McCarty, Ph.D., Associate Professor of Philosophy
Jay A. McCarthy, M.S., Assistant Professor of Education
Ko Nakama, M.A., Instructor in Health and Physical Education
Harold S. Palmer, Ph.D., Professor of Geology
M. Roseamonde Porter, Ph.D., Associate Professor of Education
Saul H. Riesen两款, Ph.D., Assistant Professor of Anthropology
Harold S. Roberts, Ph.D., Professor of Economics
Hester A. Robinson, M.A., Assistant Professor of Art
Harold St. John, Ph.D., Professor of Botany
Emma F. Sharpe, Teacher of the Hawaiian Dance
James C. Shields, M.A., Instructor in English
Barbara B. Smith, M.M., Assistant Professor of Music
Edmund F. Spellacy, Ph.D., Professor of Government
John N. Stalker, Ph.D., Assistant Professor of History
Stanmore B. Townes, Ph.D., Associate Professor of Mathematics
Richard W. Vine, M.M., Associate Professor of Music
John A. White, Ph.D., Associate Professor of History
Edgar G. Will, M.A., Assistant Professor of Speech

W. Willard Wilson, Ph.D., Professor of English; in charge of Hilo session

FACULTY, HILO SESSION

Ralph D. Gustafson, D.Ed., Assistant Professor of Education
 Eloise M. Sifford, M.A., Instructor in Education
GENERAL INFORMATION

Established in 1907, the University is a land-grant college and bears the same relation to the Territory as the state universities to their states. It now has an enrollment of approximately five thousand students, and a faculty and administrative staff of five hundred. It is accredited by the Western College Association.

Situated in Honolulu on the Island of Oahu, the University of Hawaii lies in Manoa Valley, which is framed by the Koolau Mountains and faces toward Diamond Head and the Pacific. It is three miles from downtown Honolulu and two miles from Waikiki Beach.

Summer Session Housing. The University's new Women's Residence Hall, accommodating 144 women, is available for summer session housing. Rooms are very attractively furnished and each room has a large picture window with a view of either the Koolau Mountains or famous Diamond Head. All rooms are double, but arrangements for single accommodations can be made. Applications for residence should be made to the Director of Student Residences, 126 Administration Building, University of Hawaii, Honolulu 14, Hawaii.

Men students can find very satisfactory accommodations in Atherton House, which is owned and operated by the YMCA and is located immediately adjacent to the campus. For information, write to the Director, Charles Atherton House, 1810 University Avenue, Honolulu 14, Hawaii.

Meals are not served at either dormitory, but both are within easy walking distance of the University cafeteria.

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 list of available living accommodations and will assist students upon arrival. Rooms and apartments must be negotiated for directly with the landlord and no deposits will be accepted by the Student Personnel Office. Students should be prepared to pay a minimum of $35 a month for a room and $85 a month for a furnished apartment. Arrangements should 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 directly to the Hawaii Visitors Bureau, 2015 Kalakaua Avenue, Honolulu, Hawaii.

Transportation. Hawaii is served by Pan American, United, and Northwest Airlines, and by Matson and American President navigation companies. Round-trip fare on any of the airlines, leaving from San Francisco, Los Angeles, and Seattle, is $288, plus federal tax. The steamer fare runs from $135 up, plus tax, one way.

Daily inter-island flights place the other Hawaiian islands within easy access.

The University is located on a bus line which goes downtown and connects with lines going to Waikiki.

Restaurants. The University cafeteria serves reasonably priced breakfasts, lunches, and dinners every day but Sunday. Honolulu has many excellent restaurants, some specializing in Chinese, Japanese, and Hawaiian foods.
WORKSHOP COURSES

Six workshop-type courses are offered during the summer period: three in the field of Education, two in Home Economics, and one in Music. These workshops are intended primarily for teachers, but other qualified persons will be permitted to enroll. In general, these workshops include: (1) individual study under guidance and direction; (2) organized group work; (3) periodic conferences with the workshop leader; (4) general meetings of workshop group. Except for the Music Workshop, the nature of the workshop program precludes registration in other summer session courses. Persons who do not desire academic credit may be admitted in limited numbers at the discretion of the workshop leader. See Education S 292h, S 292i, and S 292m, pages 12 & 13; Home Economics S HE 292b and S HE 292c, page 17; and Music S 292, page 17.

REGISTRATION

Registration will take place Monday, June 23. Classes will start June 24 and end August 1, unless otherwise noted in the course descriptions. Students who have not been in attendance previously but have earned credits at other colleges or universities should bring a transcript of record with them. Entering freshmen should apply to the Office of the Director of Admissions not later than June 1.

Experience in past summer sessions indicates that, except in the workshop courses and the art courses in ceramics and weaving, ample space will be available for all students desiring to register in summer session courses. Students planning to register in Education S 292h, S 292i, and S 292m; Home Economics S HE 292b and S HE 292c; Music S 292; and Art S 160, S 161, S 176, and S 276 should fill out and send in to the Director of Summer Session the loose leaf in this bulletin. If the applicant is qualified to take the course and the capacity of the class has not been reached prior to the receipt of his application, a place will be reserved for him, and the student notified. The receipt of such notification does not constitute registration, but merely indicates that a place in the class has been reserved for him. Such reservation will not be held beyond 3:00 P.M. on Monday, June 23. After that time, any reservations not taken up will be assigned to persons on the waiting list.

Late Registration. During the first two days following registration students may register in courses with the consent of the dean of the college; for the remainder of the week students may register in courses with the consent of the dean of the college and the instructor. Effective Monday, June 30, students may register only as auditors with the consent of the dean of the college and the instructor.

STUDENT PROGRAM

Student programs in the summer session are ordinarily limited to six credit hours. However, in exceptional cases, seven credit hours may be carried by a student in good standing who obtains the consent of the dean of his college. Eight credit hours may be carried only by a student who by taking that number of hours can complete bachelor's degree or certificate requirements at the end of the summer session.
TUITION AND FEES

All fees are payable at the time of registration.

A tuition fee of $8.00 per credit hour will be charged all persons who register for courses, either for credit or as auditors. In certain courses laboratory or other fees will be charged; these fees are stated in course descriptions.

A penalty fee of $1.00 will be charged any student who registers more than one calendar day later than the announced day of registration.

A student will be charged $2.00 for any change in registration. Such a change must have the approval of the dean of the college in which the student is registered.

A student in good standing who voluntarily withdraws from the summer session may obtain a 100 per cent refund until 4:00 P.M., Friday, June 27, and 50 per cent thereafter until 4:00 P.M., Thursday, July 3. After that time no refunds will be made.

HILO SUMMER SESSION

For the past several years, the University of Hawaii has offered a limited number of courses carrying residence credits at the University of Hawaii Hilo Branch. The courses that will be offered during the 1952 summer session are listed on page 21. All rules and regulations with respect to registration, student programs, and tuition and fees set forth above apply to the Hilo Session.
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.

A schedule stating the time and place of meeting of all courses may be obtained from the Registrar's Office after April 1. Detailed information as to registration procedure will be given in this time schedule.

All courses listed below will be offered on the University campus in Honolulu, unless otherwise indicated.

ANTHROPOLOGY

S 150 INTRODUCTION TO STUDY OF MAN. (3) Mr. Riesenberc
An introduction to the changing cultures and physical characteristics of pre-literate peoples, as an aid to better understanding of current problems in human relations.

S 252 PEOPLES OF THE PACIFIC. (2) Mr. Riesenberc
A survey of the peoples and cultures of the Pacific area—Polynesia, Micronesia, and Melanesia.

ART

S 142 ART FUNDAMENTALS. (2) Miss Robinson
Background material and studio practice to stimulate understanding of the arts. Lectures, museum visits, and studio work. Studio fee $1.00.

S 157 DRAWING AND PAINTING. (2) Mr. Cox
A studio course for beginners and students of moderate advancement. Considerations of representation, composition, and control of medium. Studio fee $1.00.

S 160 CERAMICS. (2) Mr. Horan
Building pottery forms by hand; ceramic sculpture and decorative techniques. Lectures and studio work. Studio fee $10.00 to cover materials and firing costs.

S 161 CERAMICS. (2) Mr. Horan
Continuation of 160. Emphasis on wheel throwing of pottery, and further work in field of student's choice. Introductory study of glazes and operation of kilns: Lectures and studio work. Studio fee $10.00 to cover materials and firing costs.

S 176 BEGINNING WEAVING. (2) Miss Robinson
Introduction to the creative processes of weaving. Lectures, experimentation, and practical design experience. The making and using of simple hand looms as well as a study of the multiple harness loom. Studio fee $3.00 to cover cost of materials used.
S 220 HISTORY OF FAR EASTERN ART. (3) Mr. Ecke
The development of architecture, sculpture, and painting in India, China, and Japan, and related cultures from prehistoric times to the present. Lectures with lantern slides. Visits to the Academy of Arts. Course fee $2.00.

S 255 MODERN ART AND PRIMITIVE ART. (2) Mr. Ernst
Discussion and analysis of inspiration, theory, and practice in the arts, integrating primitive expressions with modern forms. Illustrated lectures, museum visits. Course fee $2.00.

S 265 WATER COLOR PAINTING. (2) Mr. Cox
The technique of water color. Studio and outdoor painting.

S 269 LIFE CLASS. (2) Miss Tanning
Drawing from the model, with a view to establishing a foundation for the imaginative use of the human figure. Studio fee $4.00, for models.

S 276 ADVANCED WEAVING. (2) Miss Robinson
Warping and threading of two- and four-harness looms. Study of pattern drafting and the uses of color and texture. Studio fee $7.50 to cover cost of materials used.

S 281 ADVANCED OIL PAINTING. (2) Miss Tanning
Study of form, color, and design in oils. Studio fee $4.00, for models.

BACTERIOLOGY

S 140 APPLIED MICROBIOLOGY. (2) Mr. Bushnell
A survey of the principles and practical applications of microbiology. May not be used as prerequisite to other bacteriology courses.

BOTANY

S 105 ECONOMIC PLANTS OF HAWAII AND POLYNESIA. (2) Mr. St. John
The cultivated and wild plants used in ancient and modern times by the Hawaiians and Polynesians. Nature of these economic plants and their use for food, drink, fabric, dye, medicine, and utensils.

S 154 PRINCIPLES OF GENETICS. (2) Mr. Britten
Fundamentals of genetics; the physical basis of the inheritance of characters and variations in plants and animals. Prerequisite: one semester of biological science.

S 160 FLOWER AND TREE IDENTIFICATION. (2) Mr. St. John
A non-technical course in the identification of the common cultivated plants and weeds of the Territory.

BUSINESS

S 261 COLLECTIVE BARGAINING. (2) Mr. Roberts
The underlying principles and concepts of collective bargaining and the collective bargaining agreement. Sample contracts examined and analysis made of the main provisions of agreements, including union status, general wage provisions, grievance machinery, seniority, contract enforcement, and other sections of the agreement.
Among the 1952 summer session offerings—a music workshop for elementary teachers and courses in beginning and advanced weaving.
S 270 PRINCIPLES OF MARKETING. (2) Mr. Faville
A study of consumption followed by a general survey of the marketing structure, emphasizing marketing functions and channels, market analysis and research, and marketing policies.

S 276 RETAIL MERCHANDISING. (2) Mr. Faville
Buying habits of retail customers; history of retailing; store organization and management; sales promotion.

DRAMA AND THEATRE

S 220 ACTING. (2) Miss Bentley
Analysis and interpretative reading of dramatic prose and poetry; related principles of stage production; reports; individual exercises and group rehearsals. Co-ordinated with a summer school production.

S 230 DIRECTION. (2) Mr. Moody
Readings, reports, discussion of the theory and practice of stage direction. Co-ordinated with a summer school production.

ECONOMICS

S 140 INTRODUCTION TO ECONOMICS. (3) Mr. Hoeber
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.

S 256 MONEY AND BANKING. (2) Mr. Garis
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.

S 261 PUBLIC FINANCE. (2) Mr. Kamins

S 285 INTERNATIONAL TRADE. (2) Mr. Garis
The nature and principles of international economic relations; theory of commodity trade; commercial policies and trade agreements; practical aspects of exporting and importing; problems of postwar trade adjustments.

S 289 ARBITRATION OF GRIEVANCES. (2) Mr. Roberts
Purpose and functions of grievance machinery; types of machinery and arbitration clauses; functions, duties, and responsibilities of arbitrators. Use of cases to illustrate (a) preparation of a case, (b) presentation at the hearing, (c) decision and (d) bases for review and methods of enforcement.
EDUCATION

S 206 PRINCIPLES AND PRACTICES—INDUSTRIAL. (2) Mr. Morrison
A study of the basic principles as set forth in Federal Bulletin No. 1, including the history and legislation affecting vocational programs. A study of the prevocational aspects in relation to trade and industrial education. July 14 to August 1.

S 208 SCHOOL SHOP SAFETY. (2) Mr. Morrison
Safety education in the school shop; accident proneness and accident prevention; fatigue factors; shop arrangement; psychological factors. July 14 to August 1.

S 215 INSTRUCTIONAL MATERIALS, INDUSTRIAL-ADVANCED COURSE. (2) Mr. Morrison
Advanced training in the techniques of development and use of instructional material in shop and related instruction classes; selection and use of instructional aids, instruction sheets, charts, and drawings. August 4 to August 15.

S 234 CREATIVE ARTS—PRESCHOOL-PRIMARY. (2) Mrs. Leib
The materials and procedures in art and construction activities, singing, simple work with instruments, rhythmic activities, dancing, and dramatic play for young children. Laboratory fee $2.00. (Credit may not be earned in this course by students who have previously received credit in Education 237, Preschool-Primary Music, or Education 238, Preschool-Primary Art Activities, since Education 234 is a combination of these two courses.)

S 239 SCIENCE—PRESCHOOL-PRIMARY. (2) Mrs. Leib
The materials and procedures in natural and social science activities appropriate to children two to seven years of age.

S 241 MATHEMATICS AND SCIENCE—ELEMENTARY. (2) Mr. Easley
The scope and organization of mathematics and science in the elementary school curriculum. The development of the subject matter of these fields in childhood experience.

S 245 SCIENCE—SECONDARY. (2) Mr. Easley
Purposes and procedures. The development of scientific attitude. Review of the major generalizations of the biological and physical sciences.

S 265 ADMINISTRATION OF THE GUIDANCE PROGRAM. (2) Mr. Fick
The organization and administration of guidance in the school, with special reference to the place of the principal in the program. Prerequisite: employment as principal or assistant principal, or approval of department chairman.

S 267 OCCUPATIONAL INFORMATION. (2) Mr. Fick
A study of occupational research and survey techniques, occupational trends, sources and uses of occupational information materials, and methods of using occupational information in vocational guidance and placement. Opportunities for the use of occupational information in each subject area in the curriculum as well as in counseling will be stressed.

S 292h WORKSHOP IN THE TEACHING OF READING. (6) Mr. Russell and Staff
Practice in identification of specific reading skills; experimentation both in imparting and in acquiring reading skills; analyses of problems encountered
in classroom situations by teachers enrolled in the workshop; observation of and practice in individual diagnosis and remedial techniques; problems of motivation; techniques for improving speed and comprehension; improving the reading skill of the exceptionally able pupil. Teachers having similar interests will explore and experiment together in small groups; daily sessions for discussion of problems common to all groups.

S 292i WORKSHOP IN HUMAN RELATIONS IN THE SCHOOL. (6) Miss Keliher and Staff

Experimentation with means of practical application of mental hygiene principles in typical school situations on all grade levels; recognition and utilization of various emotional reactions in children; the relationship of emotional climate to learning; proper and improper use of sternness; the teacher's own emotional life in its relation to teaching; techniques for dealing with difficult situations; analyses of typical difficulties in faculty relationships; methods of ironing out difficulties; dealing with the "difficult" principal; application of mental hygiene principles to teacher-parent relationships.

S 292m WORKSHOP IN CREATIVE ART TEACHING. (4) Mrs. Kenda

Experience in art media suitable for children's use; application of techniques in children's summer art classes; 10 hours a week in lecture and conferences on philosophy of creative art experiences as means of promoting wholesome child development. All sessions will be held at the Honolulu Academy of Arts; students enrolled in this workshop will not enroll in any other summer session classes. Enrollment limited to regularly employed teachers. Prerequisite: consent of instructor.

S 340 PHILOSOPHY OF EDUCATION. (3) Mr. Otto

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.

S 350 HISTORY OF EDUCATION. (2) Mr. Everly

Survey of the history of educational thought and practice as a basis for the study of modern school problems. (Formerly Education 289.)

S 361 TESTS AND MEASUREMENTS. (3) Mr. Martin

Theory and techniques of evaluation in education; practice in the use of testing devices. Laboratory fee $1.00.

S 363 SEMINAR IN EDUCATIONAL ADMINISTRATION. (2) Mr. Otto

Organization for public education; taxation; equalization; internal problems of school administration; personnel; pupil classification; records and reports. Restricted to administrators and prospective administrators.

S 365 SEMINAR IN SUPERVISION OF INSTRUCTION. (2) Mr. Everly

The supervisory work of the principal; the place of supervision; organization for supervisory service; techniques. Restricted to administrators and prospective administrators.

S 380 RESEARCH AND THESIS WRITING. (3) Mr. Beyers

Research techniques and thesis development; designed to assist students in thesis preparation.
S 390 PUBLIC SCHOOL ADMINISTRATION. (2) Mr. Martin
State and territorial organization for administrative control of public education; federal relations; Hawaiian school law and Department of Public Instruction regulations.

ENGINEERING

S CE 227 ROUTE SURVEYING. (6) Mr. Engman and Mr. Evans
Reconnaissance; preliminary survey; triangulation; paper location; curve computations; field location; plotting profiles; determining grade lines; earthwork computations for location of railroad or highway; solar and stellar observations. Five eight-hour periods each week. Prerequisite: Civil Engineering 101. Laboratory fee $4.00.

ENGLISH

S 101 COMPOSITION. (3) Mr. Fujimura and Mr. Shields
Principles and practice of composition. For all students qualifying in entrance examinations.

S 101C COMPOSITION. (3) Mr. Abruins and Mr. Korn
Principles and practice of composition. Second semester's work.

S 109 BUSINESS ENGLISH. (3) Mrs. Hall
Theory and practice in forms of communication important in the modern business world: letters, reports, analyses, special studies, and records. Open only to students in Business Administration.

S 150C INTRODUCTION TO ENGLISH LITERATURE. (3) Mr. Lowers
A survey of English literature from the eighteenth to the twentieth century. Prerequisite: first semester's work.

S 208 INTRODUCTION TO POETRY. (2) Mr. Korn
An analytical study of selected English and American poems of the past and present, emphasizing problems of communication, the poet's adaptation of his means to his ends, and the relation of the various aspects of a poem to each other.

S 293 THE COMIC FORM IN DRAMA. (2) Mr. Lowers
A study of the nature of comedy, as it appears in plays chosen from the time of Aristophanes to the present.

S 294 ENGLISH DRAMA: 1660—1800. (2) Mr. Fujimura
A survey of the more important dramatic forms and works from Dryden to Sheridan.

GEOGRAPHY

S 245 A HISTORY OF GEOGRAPHICAL EXPLORATION. (2) Mr. Hall
A survey of geographical exploration and discovery from classical times to the present.
S 256 GEOGRAPHY OF JAPAN. (2) Mr. Hall
The regional study of the geography of Japan. A detailed study of the people and resources of the land.

GEOLOGY

S 162 VOLCANOLOGY. (2) Mr. Palmer
Classification, eruptive types, products, structures, and distribution of volcanoes.

GOVERNMENT

S 150 AMERICAN NATIONAL GOVERNMENT. (3) Mr. Spellacy
The organization and functioning of the national government, protection of civil rights, the party system, principles of American democracy.

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

S 260 INTERNATIONAL RELATIONS. (2) Mr. Bachman
A study of the factors which condition the foreign policy of states: nationalism, imperialism, and power politics. Principal problems of world politics.

S 282 INTRODUCTION TO PUBLIC ADMINISTRATION. (2) Mr. Spellacy
Relationship of administration to policy-forming agencies; organization of administrative staffs; centralization of responsibility.

HEALTH AND PHYSICAL EDUCATION

S 110 SWIMMING FOR BEGINNERS. (1) Mr. Nakama
Open only to those who cannot swim at least 50 yards. Emphasis will be placed upon the development of the proper movements, breathing, and coordination necessary in the basic skills of swimming. Activities and locker fee $3.00.

S 112 ADVANCED SWIMMING. (1) Mr. Nakama
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.

S 124 DANCES OF HAWAII. (1) Miss Gay and Mrs. Sharpe
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.
S 170 INTRODUCTION TO PHYSICAL EDUCATION. (2) Mr. Brown
Designed for prospective teachers and leaders in physical education and recreation; the objectives, needs, procedures, and outcomes in physical education activities.

S 230 SCHOOL HEALTH PROBLEMS. (2) Miss Bucklin
Health needs of the school child and principles, methods, and materials applicable to the school health program.

S 237 PRINCIPLES OF HEALTH EDUCATION. (2) Miss Bucklin
Deals with the historical development and present status of the health education program. Current trends and the basic principles involved are emphasized.

S 249 CAMP LEADERSHIP. (2) Mr. Brown
Program development and procedures used in the modern camping movement. Relationships with educational and other agencies.

HISTORY

S 110 INTRODUCTION TO AMERICAN HISTORY. (3) Mr. Stalker
The religious, cultural, and social backgrounds of the American people.

S 201 HISTORY OF THE FAR EAST. (2) Mr. White
Survey of the political, social, and economic history of the Far East as a unit.

S 214 HISTORY OF SOVIET RUSSIA. (2) Mr. Marder
A political, economic, social, and cultural study of Russia since the Bolshevik Revolution.

S 238 HISTORY AND CIVILIZATION OF INDIA. (2) Mr. Das
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.

S 248 AMERICAN ECONOMIC HISTORY. (2) Mr. Stalker
Emphasis on the role of techniques, agricultural developments, the entrepreneur and the rise of the labor movement.

S 258 EUROPE SINCE VERSAILLES. (2) Mr. Marder
A continuation of 257. Problems of contemporary Europe with emphasis upon their historical background. Papers and discussion.

S 285 RUSSIA IN ASIA. (2) Mr. White
The growth and expansion of the Russian Empire and the Soviet Union into the Near East, Middle East, and Far East; relationships with its Asiatic neighbors in those areas.

HOME ECONOMICS

S HE 240 CURRENT TRENDS IN HOME MANAGEMENT. (2) Miss Henderson
Emphasis on motion and time in relationship to the selection and arrangement of equipment. Other phases of management to be considered according to the interest of students. One laboratory a week devoted to experiments, demonstrations, and visits to commercial companies. July 14 to August 1 only. Two hours daily.
S HE 291 HOME MANAGEMENT HOUSE LABORATORY. (4) Miss Henderson
Living with a group of students in a supervised house for six weeks; practical application of training in home economics; meal preparation, time and money management, human relationships. Students share subsistence cost.

S HE 292b WORKSHOP IN FAMILY LIFE EDUCATION. (3) Miss Brown
Determining goals for a cooperative family life education program and developing methods, approaches, and materials in achieving the goals. This course may be applied toward meeting the requirements in Education for certification by the Department of Public Instruction. June 23 to July 11, full-time program.

S HE 292c WORKSHOP IN FAMILY LIFE EDUCATION. (3) Miss Brown and Others
Developing curriculum materials in one's own subject matter area that contribute to family life education. This course may be applied toward meeting the requirements in Education for certification by the Department of Public Instruction. July 14 to August 1, full-time program.

MATHEMATICS

S 150 PLANE TRIGONOMETRY. (3) Mr. Gregory
Prerequisite: two years of high school algebra; one year of plane geometry.

S 151 COLLEGE ALGEBRA. (3) Mr. Comba
Prerequisite: two years of high school algebra; one year of plane geometry.

S 152 PLANE ANALYTICAL GEOMETRY. (3) Mr. Townes
Prerequisite: Mathematics 150; credit or concurrent registration in Mathematics 151.

S 153 DIFFERENTIAL CALCULUS. (3) Mr. Townes
Prerequisite: Mathematics 152.

MUSIC

S 110 MUSIC APPRECIATION. (2) Mr. Zimmerman
An introduction to music from the listener's point of view, with emphasis on orchestral literature from the classical through the modern period. Emphasis on listening to recorded music. Course fee $2.00.

S 150 RUDIMENTS OF MUSIC. (2) Mrs. Kahananui
The elements of musicianship covering terminology, notation, sight singing, and rhythmic and melodic dictation. A basic course for all prospective teachers.

S 292 MUSIC WORKSHOP FOR ELEMENTARY TEACHERS. (4) Mr. Zimmerman and Mrs. Kahananui
A course designed to give music fundamentals and methods in teaching elementary school music.

APPLIED MUSIC

S 101, S 102, S 103, S 104 CLASS INSTRUCTION. (1) Staff
Class instruction in voice and piano. Two lessons per week (one hour each). Practice facilities in Music Building on campus. Course fee $20.00.
S 149, S 169, S 249, S 269, S 349 INDIVIDUAL INSTRUCTION. (1) Staff

Individual instruction in voice and piano at freshman, sophomore, junior, senior, and graduate levels. Course number assigned after auditions with Music Department staff member. Two lessons per week (half hour each). Practice facilities in Music Building on campus. Course fee $50.00.

NURSING

S 290 FIELD WORK IN PUBLIC HEALTH NURSING. (5) or (10) Miss Jones and Staff

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. Approximately 39 hours a week. This course is offered from June 23 through October 10.

PHILOSOPHY

S 100 INTRODUCTION TO PHILOSOPHY. (3) Mr. McCarthy

The problems, methods, and fields of philosophy.

S 262 PHILOSOPHY OF ART. (2) Mr. McCarthy

A systematic study of the nature and function of art from the points of view of creation, appreciation, and criticism. Particular attention to the arts of painting, sculpture, music, and poetry.

PHOTOGRAPHY

S 100 PRINCIPLES OF PHOTOGRAPHY. (2) Mr. Britten

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; choice of film; filters and their use; processing of films; printing by contact and projection. Students are required to have a camera.

PSYCHOLOGY

S 150 GENERAL PSYCHOLOGY. (4) Mr. Digman

A survey of the facts and principles fundamental to human behavior. Individual differences, personality, motivation, sensation, emotion, learning, and thinking. Lectures and laboratories. Laboratory fee $1.00.

S 250 APPLIED PSYCHOLOGY. (3) Mr. Livesay

Application of psychological principles to problems in the areas of personal efficiency, law, marriage, medicine, and traffic safety.

S 260 STATISTICAL TECHNIQUES IN PSYCHOLOGY. (3) Mr. Garrett

Use of statistical techniques in psychological problems: measures of central tendency and variability; graphic methods; reliability of measures and scores; zero order correlation.

S 292 MENTAL HYGIENE. (3) Mr. Arkoff

Conditions requisite to mental health and satisfactory social adjustment; causes and means of preventing maladjustments and neuroses.
S 295 ABNORMAL PSYCHOLOGY. (3)  Mr. Crowell
The nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; incipient abnormal traits manifested in everyday life; psychotherapy.

S 351 ADVANCED EDUCATIONAL PSYCHOLOGY. (2)  Mr. Garrett
Application of experimental evidence in psychology to major educational problems; the bearing of recent psychological theories upon education.

REligion

S 250 THE COMPARATIVE STUDY OF RELIGIONS. (2)  Mr. Mark
A comparative study of the history and the present cultural aspects of the main religions active in American life today. Attention will be directed especially to the religious forces most significant in Hawaii, such as Christianity, Buddhism, Confucianism, Taoism, and syncretistic developments such as "Seicho-no-Ie."

S 266 CONTEMPORARY TRENDS IN RELIGION. (2)  Mr. Isler
An analysis of the various movements and types of thought which are prevalent in America today. Attention will be given to such movements as liberalism, religious naturalism, neo-orthodoxy, ecumenical theology, and fundamentalism, and to the work of such individuals as Barth, Brunner, Temple, and Niebuhr. Their relation to other religious movements such as Buddhism will be noted.

Sociology

S 151 INTRODUCTION TO THE STUDY OF SOCIETY. (3)  Mr. Young
An orientation course. The basic social relationships and the corresponding social structures.

S 257 RACE RELATIONS IN THE PACIFIC. (2)  Mr. Glick
A survey of typical situations of race and culture contacts in the Pacific area.

S 269 PERSONALITY AND CULTURE. (2)  Mr. Young
The origin and development of personality as the subjective aspect of culture; the function of communication; human nature and the mores; personal life organization and disorganization.

S 272 COLLECTIVE BEHAVIOR. (2)  Mr. Glick
Elementary and spontaneous forms of group behavior; social unrest; social contagion; the crowd and the public; mass and social movements; fashion, reform, and revolution.

Speech

S 102 DEVELOPMENT OF ORAL SKILL. (1)  Mr. Hoshor
The effective use of speech sounds and rhythms in practical speaking situations. Attention to correct English idiom and grammar. Conferences required. Course fee $2.00.

S 204 TRAINING THE SPEAKING VOICE. (2)  Miss McCarthy
A study of the physiological and physical bases of voice production with emphasis on the vocal problems of nasality, inaudibility, and monotony.

S 228 SEMANTICS. (2)  Mr. Lee
The role of language in human understanding. A study of verbal meaning and implication. Practice in the use of language for clarity, accuracy, and proper evaluation.
GROUP LEADERSHIP AND PARLIAMENTARY LAW. (2) Mr. Lee
Principles underlying and practice in effective management of public and organizational meetings.

IMPROVING PUPILS' SPEECH. (2) Miss McCarthy
Techniques of speech improvement for use in the classroom, with attention to the treatment of speech problems in Hawaii.

INTRODUCTION TO RADIO. (2) Mr. Will
The American system of broadcasting. Radio as an industry, an art form, and a medium of communication. History and present status of radio: AM, FM, facsimile, and television, the National Association of Broadcasters, the Federal Communications Commission, and the laws and ethics of radio.

A SURVEY OF THE PHYSICAL SCIENCES. (3) Mr. Palmer
Items from various fields of physical science selected to illustrate what is known and how it has been learned. This is essentially equivalent to the work of the first semester of the regular session.

GENERAL ZOOLOGY. (4) Mr. Banner
Zoological principles; studies of structure, development, relationship, and distribution of animals. Lectures and laboratories. Laboratory fee $6.00.

PRINCIPLES OF HUMAN BIOLOGY. (3) Mr. Matthews
Biological principles relating to man: man's place in nature, the structure and function of the organ systems, human diseases, how and what we inherit, human evolution and eugenics, and the biological aspects of human behavior. Not open to students who have had Zoology 100. Lectures and demonstrations.
COURSES OFFERED AT HILO BRANCH

Educ H 240 SOCIAL STUDIES—ELEMENTARY. (2) MISS SIFFORD
The scope and organization of the social studies in the elementary school curriculum. The development of social knowledge and understanding in childhood experience.

Educ H 294 REMEDIAL READING. (3) MISS SIFFORD
Techniques for motivating and helping children whose reading skills are below their capacity and needs.

Educ H 361 TESTS AND MEASUREMENTS. (3) MR. GUSTAFSON
Theory and techniques of evaluation in education; practice in the use of testing devices. Laboratory fee $1.00.

Eng H 220 CREATIVE WRITING. (2) MR. WILSON
The art and technique of writing for publication. The student will be encouraged to work in the specific literary form for which he shows aptitude. Eligibility: satisfactory completion of one year of composition.

Eng H 287C MODERN AMERICAN DRAMA. (2) MR. WILSON
American theatrical literature of our times. First semester not prerequisite.

Psy H 254 PRINCIPLES OF GUIDANCE. (2) MR. GUSTAFSON
Psychological bases; methods and scope of educational, vocational, and personal guidance.