<table>
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<tr>
<th>Date</th>
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<tr>
<td>June 21, Monday</td>
<td>Registration</td>
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<tr>
<td>June 22, Tuesday</td>
<td>Classes begin</td>
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<tr>
<td>July 5, Monday</td>
<td>No classes</td>
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<td>July 30, Friday</td>
<td>Session ends</td>
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THE 1948 SUMMER SESSION

ADMINISTRATIVE STAFF

GREGG M. SINCLAIR, M.A. .................................................. President of the University
KARL C. LEEBRICK, Ph.D. .................................................... Vice-President
PAUL S. BACHMAN, Ph.D. .................................................... Dean of Faculties and Director, Summer Session
ANDREW W. LIND, Ph.D. ..................................................... Dean of the Graduate School
BENJAMIN O. WIST, Ph.D. .................................................... Dean of Teachers College
THAYNE M. LIVESAY, Ph.D. .................................................. Dean of the College of Arts and Sciences
JOSEPH F. KUNESH, C.E. ..................................................... Dean of the College of Applied Science
HAROLD A. WADSWORTH, B.S. ................................................ Dean of the College of Agriculture
BRUCE WHITE, Ph.D. .......................................................... Dean of Student Personnel
R. RAY SCOTT, Ph.D. ....................................................... Director, Hilo Summer Session
ROBERT W. CLOPTON, Ph.D. ................................................ Director, Guam Summer Session
KATHARINE N. HANDLEY, M.S.W. ......................................... Director of the School of Social Work
ALBERT J. MCKINNEY, Ph.D. ................................................ Director, University Extension Division
JOSEPH M. SKORPEN, B.A. .................................................... Treasurer
HELEN B. MACNEIL, M.A. .................................................... Registrar
CARL G. STROVEN, Ph.D. .................................................... Librarian

FACULTY

HONOLULU SESSION

EDWARD C. ACHESON, Ph.D. Associate Professor of Finance, George Washington University
OSWALD F. BLACK, Ph.D. Psychologist to the Government of the Union of South Africa
EDWARD J. BRITTEN, Ph.D. Assistant Professor of Botany
LEE M. BROOKS, Ph.D. Professor of Sociology, University of North Carolina
OSWALD A. BUSHNELL, Ph.D. Assistant Professor of Bacteriology
BETTY M. CARLSTEN, M.A. Instructor in English
GILBERT F. CARPENTER, B.F.A. Instructor in Art
CH'ENG-K'UN CHENG, Ph.D. Professor and Chairman of the Department of Foreign Languages and Literature, National University of Shantung
DAI HO CHUN, Ph.D. Assistant Professor of Education
CLIFTON CORNWELL, M.A. Assistant Professor of Speech
CAROLYN CRAWFORD, M.S. Assistant Professor of Education
HUBERT V. EVERLY, Ph.D. Assistant Professor of Education
HOPE L. FOOTE, M.A. Associate Professor of Interior Design, University of Washington
L. ROSS GARNER, M.A. Instructor in English
HENRY E. GARRETT, Ph.D. Professor of Psychology, Columbia University
CHRISTOPHER GREGORY, Ph.D. Assistant Professor of Mathematics and Engineering
NORMAN O. GUNDERSON, M.S.C.E. Assistant Professor of Engineering
KATHARINE N. HANDLEY, M.S.W. Professor of Social Work
ROBERT W. HIATT, Ph.D. Associate Professor of Zoology
CHARLES H. HUNTER, Ph.D. Associate Professor of History
ARLIEN JOHNSON, Ph.D. Professor of Social Work and Dean of the Graduate School of Social Work, University of Southern California
FAYE C. JONES, M.S. Associate Professor of Vocational Education in Home Economics, University of Arizona
VIRGINIA J. KITZMILLER, M.S.W. Assistant Professor of Social Work
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<tr>
<th>Name</th>
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<tr>
<td>ALFONS L. KORN, M.A.</td>
<td>Assistant Professor of English</td>
</tr>
<tr>
<td>THAYNE M. LIVESAY, Ph.D.</td>
<td>Professor of Psychology</td>
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<tr>
<td>SELDEN GALE LORIE, Ph.D., LL.D.</td>
<td>Professor of Political Science, University of Cincinnati</td>
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<tr>
<td>IOLANI LUAHINE</td>
<td>Teacher of the Hawaiian Dance</td>
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<tr>
<td>FAY E. MCCALL, B.S.</td>
<td>Assistant Professor of Mathematics</td>
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<tr>
<td>CURTIS A. MANCHESTER, JR., Ph.D.</td>
<td>Associate Professor of Geography</td>
</tr>
<tr>
<td>CAREY D. MILLER, M.S.</td>
<td>Professor of Foods and Nutrition</td>
</tr>
<tr>
<td>HAZEL NOHAVEC MORGAN, Ph.D., Mus.D.</td>
<td>formerly Professor of Music Education, University of Minnesota</td>
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<tr>
<td>RUSSELL V. MORGAN, Mus.D.</td>
<td>Director of Music, Cleveland Public Schools; Professor of Music, Western Reserve University</td>
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<tr>
<td>AMOS E. NEYHART, M.S.</td>
<td>Administrative Head, Institute of Public Safety, Pennsylvania State College, and Consultant on Road Training, American Automobile Association</td>
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<tr>
<td>DOROTHY E. A. RAMSLAND, M.S.</td>
<td>Instructor in Home Economics</td>
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<tr>
<td>NORMAN D. RIAN, M.A.</td>
<td>Associate Professor of Music</td>
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<tr>
<td>HAROLD S. ROBERTS, Ph.D.</td>
<td>Chief, Collective Bargaining Division, Bureau of Labor Statistics, United States Department of Labor</td>
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<tr>
<td>SHUNZO SAKAMAKI, Ph.D.</td>
<td>Associate Professor of History</td>
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<tr>
<td>SOICHI SAKAMOTO</td>
<td>Instructor in Physical Education</td>
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<tr>
<td>WEEMS A. SAUCIER, Ph.D.</td>
<td>Professor of Education, Baker University</td>
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<tr>
<td>WILLIAM A. SHIMER, Ph.D.</td>
<td>Professor of Philosophy</td>
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<tr>
<td>CLARENCE T. SIMON, Ph.D.</td>
<td>Professor of Speech, Northwestern University</td>
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<tr>
<td>MENTOR LEE WILLIAMS, Ph.D.</td>
<td>Assistant Professor of English, Illinois Institute of Technology</td>
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<tr>
<td>STANLEY T. WILLIAMS, Ph.D.</td>
<td>Professor of American Literature, Yale University</td>
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<tr>
<td>C. GILBERT WRENN, Ph.D.</td>
<td>Professor of Educational Psychology, University of Minnesota</td>
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**HILO SESSION**

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<tr>
<th>Name</th>
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<tr>
<td>LUCIE F. BENTLEY, M.A.</td>
<td>Instructor in Speech</td>
</tr>
<tr>
<td>DOROTHY M. KAHANANUI, M.Ed.</td>
<td>Instructor in Music</td>
</tr>
<tr>
<td>MARION L. LOHMAN, Ph.D.</td>
<td>Associate Professor of Botany</td>
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<tr>
<td>R. RAY SCOTT, Ph.D.</td>
<td>Associate Professor of Education</td>
</tr>
<tr>
<td>JEANNETTE J. SIMMONS, M.P.H.</td>
<td>Instructor in Health Education</td>
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**GUAM SESSION**

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<tr>
<td>ROBERT W. CLOPTON, Ph.D.</td>
<td>Associate Professor of Education</td>
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<tr>
<td>JANE HOLDEN, B.S.</td>
<td>Visiting Instructor in Education</td>
</tr>
<tr>
<td>HENRIETTA C. KRANTZ, M.A.</td>
<td>Instructor in Speech</td>
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<tr>
<td>ERNEST MCCLAIN, M.Mus.</td>
<td>Instructor in Music</td>
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GENERAL INFORMATION

In 1948 the University of Hawaii will conduct summer sessions on the main campus in Honolulu; at the University Extension Center in Hilo, island of Hawaii; and on Guam, where facilities provided by the Governor of Guam will be used.

The summer session program is designed to meet the needs of several groups: (1) teachers seeking professional improvement; (2) regular undergraduate and graduate students desiring to reduce the time necessary to obtain degrees; and (3) entering freshmen who wish to avoid the danger of being unable to obtain necessary courses in the fall semester due to heavy registration. In addition, a number of courses of interest to the general public are offered.

Among the special features of the 1948 summer session are the workshops in music, guidance, and language arts in Honolulu, and the health education and speech workshops in Hilo. A special program of three social work courses is organized so that social workers may take these courses during their annual vacation. In cooperation with the Traffic Safety Commission of the City and County of Honolulu, the Department of Public Instruction, and the American Automobile Association, the University is offering an intensive course in traffic safety just prior to the regular summer session for teachers who plan to give courses in driver training.

The University does not have housing facilities for summer session students, nor can it guarantee that students will find living accommodations. Persons from the Mainland should not plan to attend the summer session unless housing arrangements can be made prior to departure.

The University of Hawaii is fully accredited by the Association of American Universities.

REGISTRATION

Registration will be held Monday, June 21. Classes will start June 22 and end July 30, 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.

STUDENT PROGRAMS

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 $5.00 per credit hour will be charged all persons who register for courses, either for credit or as auditors. In certain courses laboratory 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 12 noon, Saturday, June 26, and 50 per cent thereafter until 12 noon, Saturday, July 3. After that time no refunds will be made.

COURSES OF INSTRUCTION

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.

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.
COURSES OFFERED IN HONOLULU

WORKSHOP COURSES

Each of the three workshops described below will consist of a program of six weeks of full-time work in a special area of study. The workshops are designed primarily for teachers, but other qualified persons will be permitted to enroll. Features of each workshop will include the following: (1) individual study under guidance and direction; (2) organized group work; (3) qualified leadership from Hawaii and abroad; (4) periodic conferences with the leader and staff; (5) workshop assemblies; (6) general assemblies of all three workshops; (7) social gatherings. The nature of the workshop programs 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.

Educ. S 320 GUIDANCE WORKSHOP. Designed primarily for teachers engaged in counseling and guidance, and for school administrators, but available also to a limited number of classroom teachers and counselors in industry. The various aspects of guidance and counseling will be explored, with special reference to local application. 6 credits. MR. WREN, MR. CHUN, AND STAFF.

Eng. S 292 LANGUAGE ARTS WORKSHOP. Designed primarily for elementary and intermediate school teachers, but available to a limited number of high school teachers. Concentration on reading and functional language experiences with special emphasis upon local problems and needs. 6 credits. MR. M. L. WILLIAMS, MISS CRAWFORD, AND STAFF.

Music S 292 MUSIC WORKSHOP. Designed for preschool, elementary, and special music teachers in the secondary schools. Emphasis given to the place of music in the school program, to resources, and to modern instructional techniques, with emphasis upon local problems and needs. 6 credits. MR. MORGAN, MRS. MORGAN, MR. RIAN, AND STAFF.

ART

S 157 DRAWING AND PAINTING. A study of fundamentals in which instruction and criticism will be suitable to beginners and to students of moderate advancement. Laboratory fee $1.00. 2 credits. MR. CARPENTER.

S 171 ESSENTIALS OF INTERIOR DESIGN. A lecture class illustrated with stereoptican slides and demonstrations in the use of color by means of fabrics and miscellaneous textures. Laboratory fee $3.00. 2 credits. MISS FOOTE.

S 172 INTERIOR DESIGN. A studio course dealing with the study of spatial relationships as related to needs at a specified scale. Experiments in color and texture. Prerequisites: Art 150-151 and 154-155, or consent of instructor. Laboratory fee $2.00. 2 credits. MISS FOOTE.

S 268 LANDSCAPE PAINTING. Basic study of landscape in oils, including composition, color, and technique. Outdoor and studio painting. Prerequisite: Art 180-181, or consent of instructor. 2 credits. MR. CARPENTER.

BACTERIOLOGY

S 140 APPLIED BACTERIOLOGY. A survey of the principles and practical applications of bacteriology. May not be used as prerequisite to other bacteriology courses. 2 credits. MR. BUSHNELL.
MUSIC WORKSHOP—Learning through Observation and Participation.
BOTANY

S 103 Evolution and Genetics. Principles of genetics, the physical basis of the inheritance of characters and their relationship to evolutionary processes. The historical development of evolutionary thought; the scientific basis for the concept of organic evolution. Evolutionary forces in science and their impact upon human thinking. 2 credits. Mr. Britten.

S 105 Economic Plants of Hawaii and Polynesia. 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. 2 credits. Mr. Britten.

ECONOMICS

S 140 Introduction to Economics. A descriptive analysis of basic economic institutions and a study of the elementary principles underlying consumption, production, exchange, and distribution. 3 credits. Mr. Acheson.

S 263 International Finance. International loans and investments; the instruments, techniques, and organization of foreign exchange; varying monetary standards and foreign exchange; manipulation of exchange by governments; recent developments in international finance. 2 credits. Mr. Acheson.

S 281 Labor Problems. A study of wages, hours, working conditions, employment, superannuation, standard workers, and other important problems common to all labor. Special attention is given to an analysis of the fundamental factors affecting wage levels. 2 credits. Mr. Roberts.

S 311 Seminar in Industrial Relations. Reading and research in problems, legislation, and recent developments in industrial relations. 2 credits. Mr. Roberts.

EDUCATION


S 290 Teaching of Slow Learners. A study of the social, psychological, and procedural problems involved in the teaching of slow learners. 2 credits. Mr. Saucier.

S 320 Guidance Workshop. For description, see page 7.

S 340 Philosophy of Education. 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. 3 credits. Mr. Saucier.

S 350 History of Education. Survey of the history of educational thought and practice as a basis for the study of modern school problems. 3 credits. Mr. Everly.

S 361 Evaluation in Education. Theory and techniques of evaluation in education; practice in the use of testing devices. 2 credits. Mr. Chun.

S 390 Public School Administration. State and territorial organization for administrative control of public education; federal relations; Hawaiian school law and Department of Public Instruction regulations. 2 credits. Mr. Everly.

ENGLISH

S 101 Composition. Principles and practice of composition. 3 credits. Miss Carlsten.


S 150C Introduction to English Literature. A survey of English literature from the eighteenth to the twentieth century. Second semester's work. 3 credits. Mr. Korn.

S 285 The English Novel Before Dickens. A study of representative English novels from Defoe to Dickens, emphasizing the technique of the novelist and narrative structure and method. 2 credits. Mr. Korn.
S 289 CONTEMPORARY AMERICAN LITERATURE. Representative works of the leading American novelists and poets since 1900. 2 credits. MR. S. T. WILLIAMS.

S 292 LANGUAGE ARTS WORKSHOP. For description, see page 7.

S 310 SEMINAR IN AMERICAN LITERATURE. Special study of problems, authors, or periods in American literature. Prerequisite: graduate standing; consent of instructor. 2 credits. MR. S. T. WILLIAMS.

GEOGRAPHY

S 150 ELEMENTS OF GEOGRAPHY. An introductory study of the physical and cultural features of the human environment. 3 credits. MR. MANCHESTER.

S 263 GEOGRAPHY OF THE PACIFIC ISLANDS. Polynesia (except Hawaii), Melanesia, Micronesia, and Indonesia. 2 credits. MR. MANCHESTER.

GOVERNMENT

S 150 AMERICAN GOVERNMENT. The organization and function of the national government; American citizenship; protection of civil rights; the party system; contemporary political issues. 3 credits. MR. LOWRIE.

S 267 AMERICAN FOREIGN RELATIONS. A study of the policies of the United States in its international relations, the domestic and foreign situations conditioning policy, the constitutional and government factors limiting policy, and the methods of conducting policy. Emphasis will be placed on the postwar period. 2 credits. MR. LOWRIE.

HEALTH AND PHYSICAL EDUCATION

S 110 SWIMMING FOR BEGINNERS. Open only to those who cannot swim at least 50 yards. Emphasis will be placed upon the development of the proper movements, breathing, and coordinations necessary in the basic skills of swimming. 1 credit. MR. SAKAMOTO.

S 112 ADVANCED SWIMMING. For students who have met the basic requirements in swimming and desire to develop additional skills in swimming and diving. 1 credit. MR. SAKAMOTO.

S 124 DANCES OF HAWAII. 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. 2 credits. MISS LUAIHINE.

S 219 COACHING OF SWIMMING. Designed for those interested in the development of swimming teams in schools and other agencies. Content and method will be emphasized. 2 credits. MR. SAKAMOTO.

HISTORY

S 110 INTRODUCTION TO AMERICAN HISTORY. The religious, cultural, and social backgrounds of the American people. 3 credits. MR. HUNTER.

S 208 EXPANSION OF EUROPEAN CIVILIZATION. Survey of cultural changes and developments in Europe, the Western Hemisphere, and Asia resulting from European expansion. 2 credits. MR. SAKAMAKI.

S 251 HISTORY OF THOUGHT IN JAPAN. Major schools of thought and important thinkers, social reformers, economists, statesmen, and educators of Japan. 2 credits. MR. SAKAMAKI.

S 252 CONSTITUTIONAL HISTORY OF THE UNITED STATES. The genesis, drafting, ratification, and development of the Federal Constitution. 2 credits. MR. HUNTER.

HOME ECONOMICS

S HE245 PLANNING SPACE AND EQUIPMENT FOR HOME ECONOMICS LABORATORIES. A study of procedures which may be used in planning new departments or in remodeling existing departments. Students will learn to determine and compile space requirements as a guide in preparing plans, selecting equipment and furnishings, also preparing a decorating plan. Emphasis will be placed on individuals' problems. 3 credits. MISS JONES.
S HS264 PROBLEMS IN HOSPITAL DIETETICS. Field practice in approved institutions for seniors and graduate students. Prerequisites: HS200, HS260, HS261, HS263, and HS265. 4 credits. MISS RAMSLAND.

S HE265 PROBLEMS IN CHILD CARE AND GUIDANCE. Techniques of child care and guidance, study of activities, materials, and teaching methods for classes in this field. Prerequisite: Psychology 150 or the equivalent. 2 credits. MISS JONES.

S HS300 DIRECTED RESEARCH IN NUTRITION. Problems according to preparation of each student; nutritional investigations, animal and human feeding problems. Prerequisite: consent of instructor. Laboratory fee $5.00. Credit by arrangement. MISS MILLER.

LIBRARY SCIENCE

S 265 SCHOOL LIBRARY MANAGEMENT. Principles and objectives of library service in the elementary and intermediate schools; administrative techniques and educational duties of the librarian. One hour of lecture and discussion and one hour (arranged) of laboratory for work on practical problems. 3 credits. MISS CRAWFORD.

MATHEMATICS

S 150 PLANE TRIGONOMETRY. Prerequisites: two years of high school algebra and one year of plane geometry. 3 credits. MR. GUNDERSON.

S 151 COLLEGE ALGEBRA. Prerequisites: two years of high school algebra; one year of plane geometry. 3 credits. MR. MCCALL.

S 153 DIFFERENTIAL CALCULUS. Includes infinite series. Prerequisite: Mathematics 152. 3 credits. MR. GREGORY.

MUSIC

S 110 MUSIC APPRECIATION. An introduction to music designed to aid intelligent listening. A study of music from the listeners' point of view, with special emphasis on the orchestral literature of the classical and early romantic periods. Emphasis on listening to recorded music. Course fee $2.00. 2 credits. MR. RIAN.

S 292 MUSIC WORKSHOP. For description, see page 7.

PHILOSOPHY

S 150 HISTORY OF PHILOSOPHY. Western philosophy from era of great Greek thinkers to modern times; basic course in philosophy. Prerequisite: sophomore standing. 3 credits. MR. SHIMER.

S 200 ETHICS — PHILOSOPHIES OF LIFE. Western philosophies and typical theories of the nature of the good life and of the basic values of human living; frequent comparative consideration of Eastern philosophies of life. No previous course in philosophy is required. 2 credits. MR. SHIMER.

PSYCHOLOGY

S 150 GENERAL PSYCHOLOGY. Introductory course surveying human behavior. Lectures, demonstrations, and laboratory. Prerequisite: sophomore standing. Laboratory fee $1.00. 4 credits. MR. LIVESAY.

S 264 PSYCHOLOGICAL MEASUREMENTS. The construction and administration of psychological tests and scales and the interpretation and application of scores and measures derived from such instruments. Particular attention to personnel problems. 2 credits. MR. GARRETT.

S 292 MENTAL HYGIENE. Conditions requisite to mental health and satisfactory social adjustment; causes and means of preventing maladjustments and neuroses. 3 credits. MR. BLACK.

S 351 ADVANCED EDUCATIONAL PSYCHOLOGY. Application of experimental evidence in psychology to major educational problems; the bearing of recent psychological theories upon education. 2 credits. MR. GARRETT.
SOCIAL WORK

S 308 METHODS OF SUPERVISION IN SOCIAL CASE WORK. This course is designed for supervisors. Discussion is focused on the content of supervision and the use of the relationship in the supervisory process. Students are given an opportunity to present problems in their own experience. Limited to practicing supervisors. 2 credits. July 6–17. MRS. HANDLEY.

S 309 CASE WORK TREATMENT IN THE PREVENTION OF DELINQUENCY. This course will present the psychological determinants which underlie predelinquent behavior. Emphasis will be placed on methods of diagnosis and treatment. Limited to practicing social workers. 2 credits. July 19–31. MRS. KITZMILLER.

S 316 NEW TRENDS IN COMMUNITY ORGANIZATION. This course offers an opportunity to review some of the recent thinking in regard to community organization for social welfare and to consider the relation of this process to current problems and developments in the field of social work. Prerequisite: consent of instructor. 2 credits. July 6–17. MISS JOHNSON.

SOCIOLOGY

S 151 INTRODUCTION TO THE STUDY OF SOCIETY. An orientation course. The basic social relationships and the corresponding social structures. 3 credits. MR. CHENG.

S 265 CRIMINOLOGY. The nature, causes, and treatment of crime with special attention to juvenile delinquency; theories of punishment and rehabilitation; modern preventive work. Prerequisite: Sociology 151 or consent of instructor. 2 credits. MR. BROOKS.

S 267 THE FAMILY. The family as a universal institution; human nature and the family; changing structure and functions in the Orient and the Occident; courtship and marriage in the immigrant family. Prerequisite: Sociology 151 or consent of instructor. 2 credits. MR. BROOKS.

S 277 PROBLEMS OF CHINESE SOCIETY. Social conditions and social change in contemporary China. 2 credits. MR. CHENG.

SPEECH

S 222 PRINCIPLES OF SPEECH CORRECTION. Orienting the teacher in the field of speech correction. 2 credits. MR. SIMON.

S 228 SEMANTICS. An elementary course involving problems of meaning; vocabulary; functions of language. 2 credits. MR. CORNWELL.

S 250 DISCUSSION. Procedures in various forms of modern group discussion studied in application to current problems. 2 credits. MR. CORNWELL.

S 265 SPEECH PROBLEMS IN THE CLASSROOM. Analysis of local needs and application of appropriate methods for meeting them. 2 credits. MR. SIMON.

ZOOLOGY

S 100 GENERAL ZOOLOGY. Zoological principles; studies of structure, development, relationship, and distribution of animals. Lectures and laboratories. Laboratory fee $5.00. 4 credits. MR. HIATT.
The branch summer session in Hilo will be held in the quarters of the Hilo Branch, University Extension Division. The session will run concurrently with the Honolulu session. The program of course offerings is intended primarily for teachers in service, but other qualified students may register. Residence credits will be granted.

**Bot. S 103  EVOLUTION.** Evolution in the plant kingdom; the simple ancestral plants; the lines of development to the complex higher plants. The rational basis for evolutionary hypotheses; the place of evolution in science and human thought. 2 credits. Mr. Lohman.

**Educ. S 363  SEMINAR IN EDUCATIONAL ADMINISTRATION.** Organization for public education; taxation; equalization; internal problems of school administration; personnel; pupil classification; records and reports. Restricted to administrators and prospective administrators. Prerequisite: consent of instructor. 2 credits. Mr. Scott.

**HPE S 292  HEALTH EDUCATION WORKSHOP.** Designed primarily for school principals, chairmen of school health committees, and classroom teachers. Opportunity for group and individual study of all aspects of health education and health services to school children. (For general description of the nature of workshops, see page 7 of this bulletin.) 4 credits. Miss Simmons and Staff.


**Music S 203  MUSIC MATERIALS AND EQUIPMENT.** Survey of elementary school music materials and equipment. Emphasis upon new songs, rounds and songs with descants. Listening to music appropriate for musical and other experiences. 2 credits. Mrs. Kahananui.

**Music S 204  CHORUS.** Besides providing the group with an avenue for relaxation and personal experience, the chorus will provide choral materials suitable for use in the secondary schools. 1 credit. Mrs. Kahananui.

**Speech S 292  SPEECH WORKSHOP.** Designed primarily for teachers at the elementary and intermediate school levels, but available to a limited number of senior high school teachers. Emphasis upon current theories of interpretation, speech correction, and phonetics. (For general description of the nature of workshops, see page 7 of this bulletin.) 4 credits. Miss Bentley.

**Survey S 100C  A SURVEY OF THE BIOLOGICAL SCIENCES.** Items from various fields of biological sciences selected to illustrate what is known and how it has been learned. 3 credits. Mr. Lohman.
COURSES OFFERED IN GUAM

The branch summer session in Guam is a continuation of a cooperative program begun in the summer of 1947 between the University of Hawaii and the Department of Education in Guam. The session will run concurrently with the Honolulu session. Residence credit will be offered.

**Educ. S 241 Mathematics and Science in the Elementary School Curriculum.**
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. 2 credits. Mr. Clopton.

**Educ. S 243 The Teaching of Reading in the Primary Grades.** A course designed to acquaint teachers of primary grade children with materials and processes appropriate to developing reading skills. 2 credits. Miss Holden.

**Educ. S 244 Problems of Reading in the Upper Elementary Grades.** A course designed to deal with the development of reading skills and reading comprehension, with emphasis upon remedial aspects. 2 credits. Miss Holden.


**Music S 100 Elementary School Music.** A course in the rudiments of music applied to the teaching of music in the elementary school. 2 credits. Mr. McClain.

**Music S 101 Chorus.** A course designed to provide opportunity for relaxation and music experience for men and women. No previous knowledge of music required. 1 credit. Mr. McClain.

**Speech S 100 Fundamentals of Speech.** Intensive training in the sounds and rhythms of American speech. 2 credits. Mrs. Krantz.