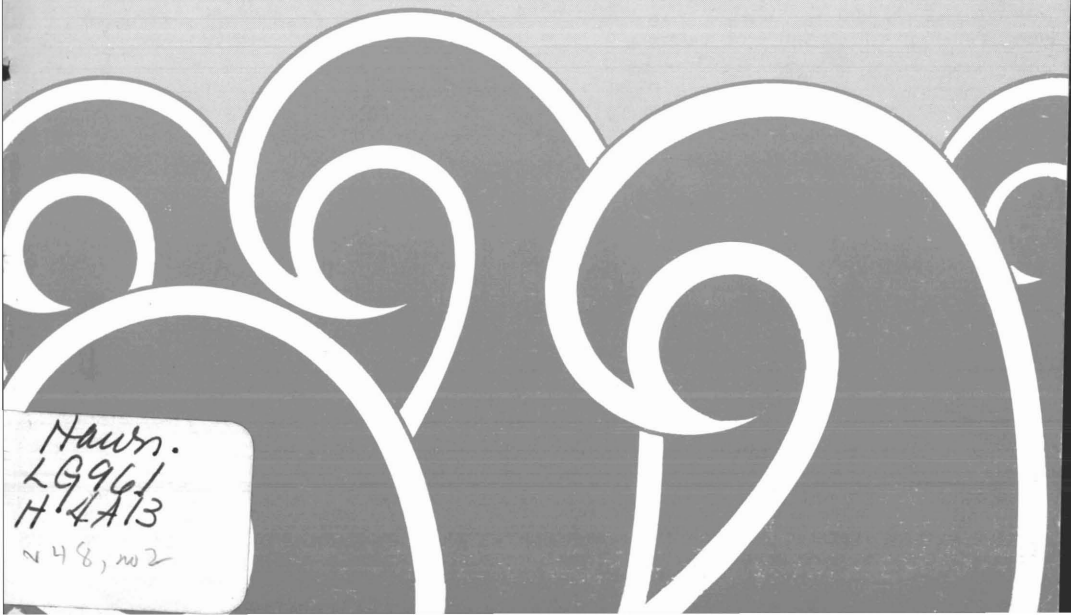


1969
SUMMER SESSION
University of Hawaii Bulletin/Catalog



Hawn.
L9961
H14A13
v48, no 2

Forty-third Annual

**SUMMER
SESSION
1969**

Catalog of Courses

UNIVERSITY OF HAWAII BULLETIN / VOL. XLVIII, NUMBER 2, MARCH 1969

The University of Hawaii Bulletin is published in December, March, May, and June 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.

PRICE 25 CENTS PLUS POSTAGE

1969 CALENDAR

JUNE							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7			1	2	3	4	5
8	9	10	11	12	13	14	6	7	8	9	10	11	12
15	16	17	18	19	20	21	13	14	15	16	17	18	19
22	23	24	25	26	27	28	20	21	22	23	24	25	26
29	30						27	28	29	30	31		

AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
^{24/} / ₃₁	25	26	27	28	29	30	28	29	30				

First Term (June 16–July 25)

- June 12–13, Thursday–Friday.....Registration for UH students and residents of Hawaii
- June 16, Monday.....Registration
- June 17, Tuesday.....Instruction begins
- June 20, Friday.....Last day of registration for credit
- June 23, Monday.....Last day for withdrawal from courses without grade penalty
- July 4, Friday.....Legal holiday
- July 18, Friday.....Last day for withdrawal from courses
- July 25, Friday.....First term ends

Second Term (July 28–September 5)

- July 28, Monday.....Registration
- July 29, Tuesday.....Instruction begins
- August 1, Friday.....Last day of registration for credit
- August 3, Sunday.....Summer Commencement
- August 4, Monday.....Last day for withdrawal from courses without grade penalty
- August 29, Friday.....Last day for withdrawal from courses
- September 1, Monday.....Legal holiday
- September 5, Friday.....Second term ends

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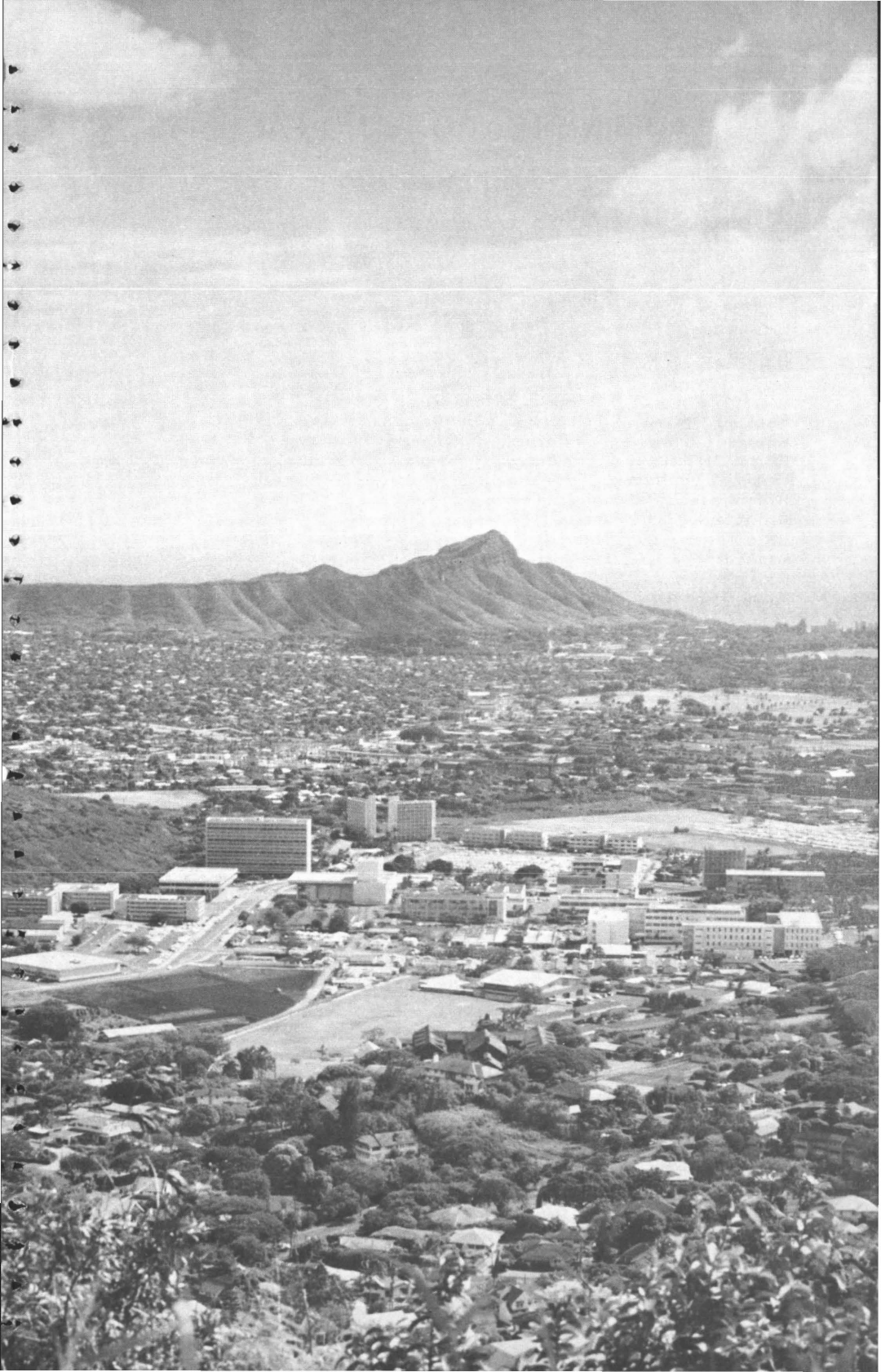
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McClea, Sheila A., *M.A. (Michigan), Instructor in English*
McIntosh, Thelma A., *Ed.D. (North Texas State), Associate Professor of Education*
McKay, R. Neil, *Ph.D. (Eastman School of Music), Associate Professor of Music*
McLeod, Malcolm, *M.A. (Hawaii), Instructor in Economics*
McManus, Dorothy, *M.A. (New York), Instructor in English*
Meeske, Milan D., *Ph.D. (Denver), Assistant Professor of Speech*
Mendelson, Gerry B., *Ed.D. (Indiana), Assistant Professor of Education*
Mendelson, Marilyn, *M.S. (Ball State), Instructor in Education*
Mikami, Kay, *Shihan (Miyagi Koto, Japan), Lecturer in Music*
Miller, Anne, *M.F.A. (Hawaii), Lecturer in Music*
Minke, Karl A., Jr., *Ph.D. (Wisconsin), Assistant Professor of Psychology*
Miyamura, Henry, *B.M. (Eastman School of Music), Lecturer in Music*
Moon, Carl A., *M.A. (Minnesota), Assistant Professor of English*
Moore, Ronald M., *B.A. (Stanford), Acting Assistant Professor of Philosophy*
Morris, James D., *Ed.D. (North Dakota), Associate Professor of Education*
Morris, Robert, *M.M. (Michigan), Instructor in Music*
Morris, V. Dixon, *B.A. (Washington), Acting Assistant Professor of History*
Mundy, Janice G., *M.A. (Arizona State), Instructor in English*
Nasuti, James J., *M.A. (Boston), Lecturer in Geography*
Nelson, Peter E., *M.F.A. (California at Irvine), Instructor in English*
Neogy, Prithwish, *M.A. (Harvard), Professor of Art*
Newby, Idus A., *Ph.D. (California at Los Angeles), Associate Professor of History*
Newman, T. Stell, *M.A. (Washington State), Instructor in Anthropology*
Nishimura, Hiroko, *M.A. (Waseda University, Japan), Instructor in Japanese*
Niyekawa-Howard, Agnes, *Ph.D. (New York), Associate Professor of Education*
Noda, Daniel S., *Ph.D. (Ohio State), Professor of Education*
Norem, Jon, *M.S. (North Dakota), Assistant Professor of Accounting*
Nunn, G. Raymond, *Ph.D. (Michigan), Professor of History and Asian Studies*
O'Harrow, Stephen, *M.A. (London), Instructor in Vietnamese*
Okada, Roy K., *M.A. (California at Los Angeles), Instructor in English*
Okino, Hideo, *B.F.A. (Hawaii), Lecturer in Art*
Onopa, Robert L., *M.A. (Connecticut), Instructor in English*
Ortolani, Benito, *Ph.D. (Vienna), Associate Professor of Drama and Theatre*
Owen, James L., *Ph.D. (Denver), Assistant Professor of Speech*

- Oxford, Wayne H., *M.A. (California at Los Angeles), Assistant Professor of Speech*
- Oyama, Atsuko, *B.A. (Tokyo University, Japan), Visiting Assistant Professor of Japanese*
- Pang, T. Y., *B.A. (New Asia College, Taiwan), Lecturer in Health and Physical Education*
- Pang-Ching, Glenn, *Ph.D. (Southern California), Assistant Professor of Audiology*
- Park, Seung Bin, *B.A. (Hankuk University of Foreign Studies, Korea), Instructor in Chinese*
- Parsons, John S., *M.A. (New York), Lecturer in Geography*
- Pe Benito, Felipe, *B.S.E. (Central Philippines), Instructor in Tagalog*
- Pendley, Robert E., *Ph.D. (Northwestern), Assistant Professor of Political Science*
- Pfeiffer, William, *M.A. (Hawaii), Assistant Professor of Music*
- Pickens, Alexander L., *Ed.D. (Columbia), Associate Professor of Education*
- Pickett, John, *M.A. (Missouri), Assistant Professor of Business Economics and Statistics*
- Piianaia, Abraham, *B.A. (Hawaii), Lecturer in Geography*
- Pilecki, Gerald A., *Ph.D. (Cornell), Associate Professor of English*
- Pleyte, Suzanne, *M.F.A. (Hawaii), Lecturer in Art*
- Pollock, Richard, *Ph.D. (Wisconsin), Assistant Professor of Economics*
- Potter, Carol Ann, *M.A. (California at Berkeley), Instructor in English*
- Powlison, Peter, *M.A. (Stanford), Lecturer in Asian Studies*
- Psacharopoulos, George, *Ph.D. (Chicago), Assistant Professor of Economics*
- Pugarelli, Nobuko, *M.A. (Hawaii), Instructor in Japanese*
- Rapson, Richard L., *Ph.D. (Columbia), Associate Professor of History*
- Raymond, Patricia G., *M.A. (Illinois), Instructor in English*
- Reddin, Mary E., *Ed.D. (Indiana), Associate Professor of Education*
- Reed, Robert M., *M.A. (Michigan), Associate Professor of Education*
- Reid, Ian E., *Ph.D. (Utah), Associate Professor of Education*
- Richards, Griffith G., *M.A. (Stanford), Assistant Professor of Speech*
- Richards, Zaneta, *M.Mus. (Eastman School of Music), Lecturer in Music*
- Richman, Eugene, *D.Eng.Sc. (New York), Professor of Management*
- Richstad, Jim, *Ph.D. (Minnesota), Assistant Professor of Journalism*
- Rider, Richard L., *Ph.D. (Illinois), Professor of Speech*
- Ritter, E. Gene, *Ph.D. (Missouri), Associate Professor of Speech Pathology*
- Roberts, Thomas, *Ph.D. (Hawaii), Assistant Professor of Linguistics*
- Rocker, Jack L., *M.A. (San Francisco State), Acting Assistant Professor of Health and Physical Education*
- Roffe, Toshiko, *B.A. (Rikkyo University, Japan), Instructor in Japanese*
- Rohter, Ira S., *Ph.D. (Michigan State), Assistant Professor of Political Science*
- Roy, Ken, *Ph.D. (Northwestern), Assistant Professor of Oceanography*
- Russell, Armand, *D.M.A. (Eastman School of Music), Associate Professor of Music*
- Rust, Val D., *Ph.D. (Michigan), Assistant Professor of Education*
- Ryans, David G., *Ph.D. (Minnesota), Professor of Education*
- Saksena, S. K., *Ph.D. (London), Lecturer in Philosophy*
- Salmo, Frank, *M.F.A. (Ohio), Instructor in Art*
- Sanderson, Sarah E., *Ph.D. (Southern California), Assistant Professor of Speech*
- Sasa, Yasuki, *Lecturer in Drama and Theatre*
- Sasaki, Kyohei, *Ph.D. (Columbia), Professor of Business Economics and Statistics*
- Sato, Mamoru, *M.F.A. (Colorado), Assistant Professor of Art*
- Sato, Masahito, *M.A. (Indiana), Instructor in Japanese*
- Sato, Yaeko, *B.A. (Waseda University, Japan), Instructor in Japanese*
- Saville, Allison W., *Ph.D. (Washington), Associate Professor of History*
- Schaub, Owen W., *M.A. (Indiana), Assistant Professor of Drama and Theatre*
- Schofield, Edward T., *Ed.D. (New York), Professor of Library Studies*
- Schlieman, Dorothy S., *C.A.S. (Wesleyan), Instructor in English*
- Schroeder, John D., *M.A. (Illinois), Lecturer in Geography*
- Schwadron, Abraham, *Mus.A.D. (Massachusetts), Professor of Music*
- Schwaneckamp, Mary S., *M.A. (Arkansas), Instructor in English*
- Scott, Jonathan, *M.A. (Kansas), Instructor in Art*
- Seichi, George M., *M.S. (Indiana), Instructor in Health and Physical Education*

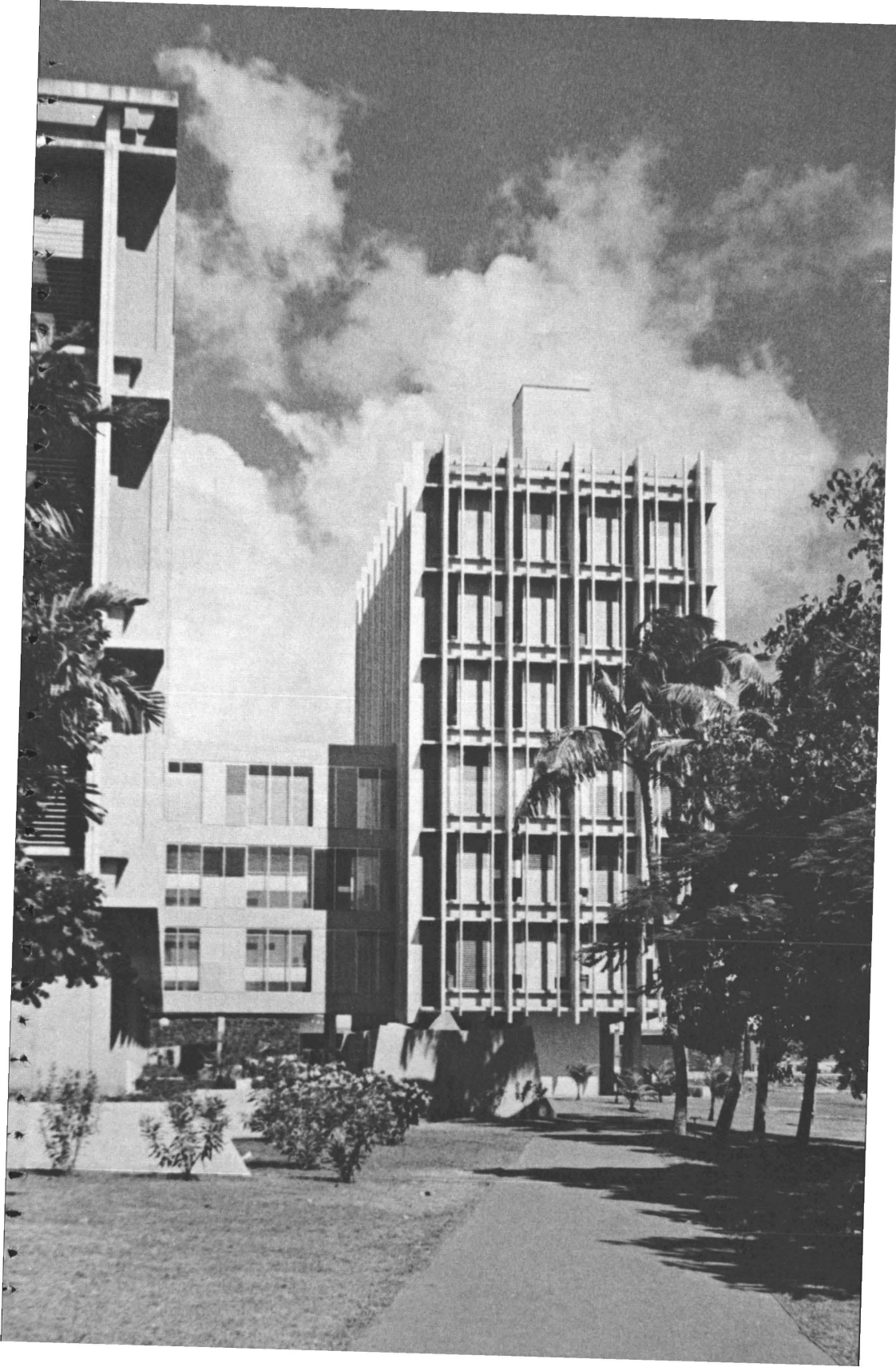
- Seifert, Friedrich, *Th.D. (Pacific School of Religion), Associate Professor of Religion*
- Seo, Kap Kyung, *Ph.D. (Cincinnati), Associate Professor of Business Economics and Statistics*
- Sharma, Jagdish P., *Ph.D. (London), Assistant Professor of History*
- Sharpe, Emma F., *Lecturer in Health and Physical Education*
- Shing, Paul, *Ph.D. (Nebraska), Assistant Professor of Business Economics and Statistics*
- Shoji, Kakuko, *B.A. (International Christian University, Japan), Instructor in Japanese*
- Simson, George K., *Ph.D. (Minnesota), Assistant Professor of English*
- Sinclair, Marjorie P., *M.A. (Mills), Assistant Professor of English*
- Sitaram, K. S., *M.A. (Oregon), Assistant Professor of Speech*
- Siu, James K. M., *M.A. (Hawaii), Assistant Professor of Mathematics*
- Siverly, William E., *M.A. (San Francisco State), Instructor in English*
- Smuck, Edward, *Ph.D. (California at Berkeley), Associate Professor of History*
- Sohl, Kathryn E., *M.A. (Chicago), Instructor in English*
- Song, Zino, *M.A. (Hawaii), Instructor in Japanese*
- Spencer, Charles, *D.B.A. (Indiana), Professor of Accounting*
- Springel, Nona F., *M.Ed. (Hawaii), Instructor in American Studies*
- Stauffer, Robert B., *Ph.D. (Minnesota), Professor of Political Science*
- Stellmacher, Herbert B., *M.B.A. (Southern Methodist), Assistant Professor of Marketing*
- Stevick, Ruth A., *M.A. (Wayne State), Instructor in English*
- Stillians, Bruce M., *Ph.D. (Iowa State), Associate Professor of English*
- Stout, William T., Jr., *Ph.D. (Illinois), Assistant Professor of Mathematics*
- Stueber, Ralph K., *Ph.D. (Wisconsin), Associate Professor of Education*
- Summersgill, Travis L., *Ph.D. (Harvard), Professor of English*
- Tabb, David H., *Ph.D. (North Carolina), Assistant Professor of Political Science*
- Takagaki, Tetsuo, *M.A. (San Francisco State), Instructor in Japanese*
- Takeguchi, Sumie Lily Ann, *Ed.D. (Syracuse), Assistant Professor of Education*
- Tanabe, Gilfred, *Ph.D. (Purdue), Assistant Professor of Psychology*
- Tawil, Jack, *A.B. (Harvard), Acting Assistant Professor of Economics*
- Teevan, Foster, *Ph.D. (Washington), Assistant Professor of English*
- Thern, Kenneth, *B.A. (Wisconsin), Assistant Professor of Chinese*
- Theuma, Jean R., *M.A. (Middlebury College), Specialist, Foreign Language Laboratory*
- Thompson, Phyllis H., *Ph.D. (Wisconsin), Assistant Professor of English*
- Topham, Helen A., *M.F.A. (Hawaii), Assistant Professor of English*
- Treacy, David, *Ph.D. (Illinois), Assistant Professor of Humanities*
- Trimillos, Ricardo, *M.A. (Hawaii), Assistant Professor of Music*
- Trine, Arden, *Ph.D. (Illinois), Assistant Professor of Accounting*
- Troxell, Mary, *M.S. (New York), Associate Professor of Fashion Design and Merchandising*
- Tsuyuki, Eiko, *M.A. (Iowa), Instructor in Japanese*
- Turnbull, Murray, *M.A. (Denver), Professor of Art*
- Uchima, Floyd, *M.Mus.Ed. (Northwestern), Assistant Professor of Music*
- Uda, Lowell M., *M.F.A. (Iowa), Instructor in English*
- Uehara, Betty K., *M.A. (New York), Assistant Professor of Education*
- Umbel, Oma, *M.S. (New York), Associate Professor of Fashion Design and Merchandising*
- Uyemura, Stanley T., *M.A. (Hawaii), Lecturer in Mathematics*
- Valentin, Pat, *Lecturer in Music*
- Vasconcellos, Henry B., *M.A. (San Jose State), Associate Professor of Health and Physical Education*
- Vasconcellos, Marion, *B.Ed. (Hawaii), Lecturer in Health and Physical Education*
- Vaughn, Stephanie R., *M.A. (Ohio State), Instructor in English*
- Vaught, Raymond, *Ph.D. (Stanford), Professor of Music*
- Vella, Walter F., *Ph.D. (California at Berkeley), Professor of History*
- Viglielmo, Valdo, *Ph.D. (Columbia), Professor of Japanese*
- Vine, Richard, *M.M. (MacPhail), Professor of Music*
- Von Kreisler, Kristin, *M.A. (California at Berkeley), Instructor in English*
- Wade, Rex A., *Ph.D. (Nebraska), Associate Professor of History*
- Wang, Chen, *M.A. (Washington), Instructor in Chinese*

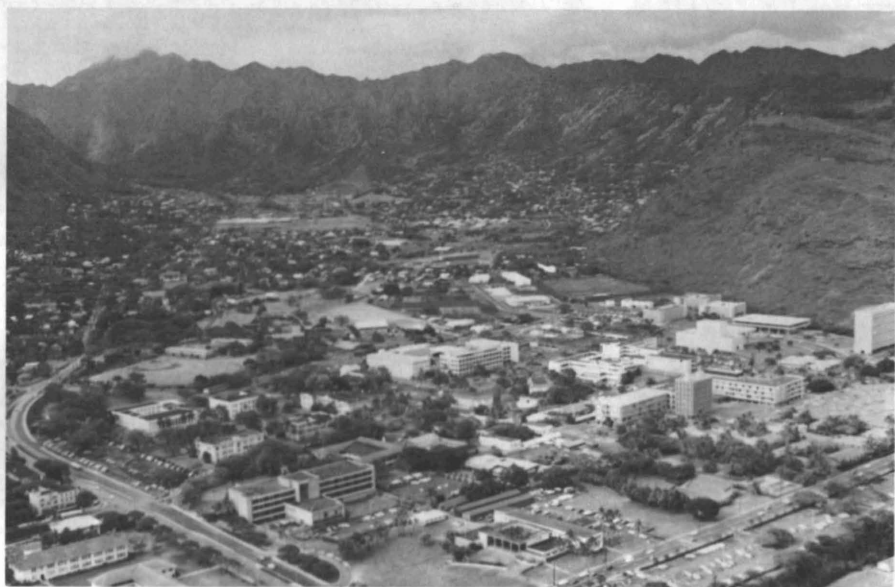
- Wang, Edward, *B.A. (National Taiwan University, Taiwan), Instructor in Chinese*
- Ward, Jack, *M.A. (Hawaii), Acting Assistant Professor of Linguistics*
- Wargo, Robert J., *M.A. (Michigan), Acting Assistant Professor of Philosophy*
- Warsh, Louis P., *M.A. (California at Berkeley), Assistant Professor of History*
- Watson, David L., *Ph.D. (Yale), Associate Professor of Psychology*
- Wegner, Eldon L., *Ph.D. (Wisconsin), Assistant Professor of Sociology*
- Weinbaum, Carl M., *Ph.D. (New York), Associate Professor of Mathematics*
- Welden, Terry A., *Ph.D. (Michigan), Assistant Professor of Speech*
- Wellein, Lawrence T., *Ph.D. (Washington), Associate Professor of English*
- Wellington, Taeko, *M.S.J. (Northwestern), Instructor in Japanese*
- Wenska, Walter P., *M.A. (Hawaii), Instructor in English*
- Wescott, Nina A., *Ph.D. (Arizona), Assistant Professor of Education*
- White, John E., *M.A. (Boston), Instructor in History*
- Whitman, Nancy C., *Ph.D. (Illinois), Associate Professor of Mathematics*
- Wiig, Jeanne, *B.F.A. (Hawaii), Lecturer in Art*
- Wiley, William J., *M.A. (Chapman; Hawaii), Instructor in Education*
- Williams, Jean, *Lecturer in Art*
- Williamson, Jack, *Ph.D. (Wisconsin), Assistant Professor of Mathematics*
- Winnie, John A., *B.A. (State Univ. of New York, Albany), Acting Assistant Professor of Philosophy*
- Winters, Lee E., *Ph.D. (California at Berkeley), Associate Professor of English*
- Winters, Lily, *M.A. (Hawaii), Associate Professor of Chinese*
- Wisnosky, John, *M.F.A. (Illinois), Assistant Professor of Art*
- Wittermans, Tamme, *Ph.D. (London), Associate Professor of Sociology*
- Wittich, Walter A., *Ph.D. (Wisconsin), Professor of Education*
- Wolff, Richard, *Ph.D. (California at Berkeley), Assistant Professor of Physics*
- Wolff, Sidney C., *Ph.D. (California at Berkeley), Assistant Astronomer*
- Wolz, Carl, *M.A. (Hawaii), Assistant Professor of Drama and Theatre*
- Won, George, *Ph.D. (Michigan State), Associate Professor of Sociology*
- Wulff, Louise M., *M.S. (Hawaii), Instructor in Medical Technology*
- Wunsch, Marie A., *M.A. (Loyola), Instructor in English*
- Yamada, Chie, *Natori Kato-bushi Obie-bushi (Ichigenkin, Tokyo), Lecturer in Music*
- Yamamoto, George, *M.A. (Hawaii), Assistant Professor of Sociology*
- Yanagisako, Alvin Y., *M.A. (Hawaii), Instructor in Sociology*
- Yeh, Zuei-Zong, *Ph.D. (Princeton), Associate Professor of Mathematics*
- Yeh, Yeong-Her, *Ph.D. (Minnesota), Associate Professor of Economics*
- Yoshida, Norman J., *M.A. (California at Los Angeles), Instructor in English*
- Young, John, *Ph.D. (Johns Hopkins), Professor of Japanese*
- Young, Thomas B., *M.F.A. (Iowa), Instructor in English*
- Yucker, Julius L., Jr., *Ed.D. (Denver), Professor of Education*
- Yung, Chia-Yee Teng, *B.A. (Peking), Instructor in Chinese*

Visiting Summer Faculty

- Aiken, Henry, *Ph.D., Professor of Philosophy, Brandeis University*
- Albee, George W., *Ph.D., Professor of Psychology, Western Reserve University*
- Alexander, William M., *Ph.D., Professor of Education and Director, Institute for Curriculum Improvement, University of Florida*
- Andrade, Ernest, Jr., *Ph.D., Assistant Professor of History, Michigan State University*
- Barkan, Elliott R., *Ph.D., Assistant Professor of History, Harvard University*
- Barker, Gordon H., *Ph.D., Professor of Sociology, University of Colorado*
- Bernaer, Edmund M., *Ph.D., Associate Professor of Physical Education, University of California at Davis*
- Birch, Cyril, *Ph.D., Professor of Chinese, University of California at Berkeley*
- Bourne, Lyle E., Jr., *Ph.D., Professor of Psychology, University of Colorado*
- Buckley, Jerome H., *Ph.D., Professor of English, Harvard University*
- Cashin, James, *M.B.A., Professor of Accounting, Hofstra University*
- Chock, Alvin K., *M.S., Assistant Inspector in Charge, U.S.D.A., Plant Quarantine Division, Maryland*
- Colwell, Maurice J., *Ph.D., Visiting Associate Professor of Education, San Fernando Valley State College*
- Cooper, Richard, *M.A., Assistant Professor of Economics, University of Chicago*
- Cougar, Daniel, *Assistant Dean, University of Colorado*
- Dahl, Ingolf, *Professor of Music, University of California at Los Angeles*
- De Casparis, J. G., *Ph.D., Professor of History, University of London*
- Delza, Sophia, *B.A., Instructor of Dances, The United Nations, New York City*
- Droste, George, *B.L.S., Lecturer in Library Studies, Book Jobbers of Hawaii*
- Feldman, Robert S., *Ph.D., Professor of Psychology, University of Massachusetts*
- Ferguson, Elizabeth, *B.S.L.S., Librarian at Institute of Life Insurance, New York*
- Forster, John, *Ph.D., Professor of Sociology, University of Alberta*
- Freeman, Linton, *Ph.D., Professor of Sociology, University of Pittsburgh*
- Goldberger, Arthur, *Ph.D., Professor of Economics, University of Wisconsin*
- Gowans, Alan, *Ph.D., Professor and Chairman of the Division of Art and Art History, University of Victoria, Victoria, British Columbia, Canada*
- Heller, Robert, *Ph.D., Associate Professor of Economics, University of California at Los Angeles*
- Hormann, Ingrid, *B.L.S., Lecturer in Library Studies*
- Horrocks, Norman, *Ph.D., Lecturer in Library Studies, University of Pittsburgh*
- Ikeda, Hitoshi, *Ed.D., Associate Professor of Education, San Diego State College*
- Ishida, Tsuyoshi, *Ph.D., Associate Professor of Sociology, Hiroshima Institute of Technology*
- Jenkins, William A., Jr., *Ph.D., Associate Dean and Professor of Education, University of Wisconsin*
- Kaplan, Abraham, *Ph.D., Professor of Philosophy, University of Michigan*
- Kinch, John W., *Ph.D., Professor of Sociology, San Francisco State College*
- Larsen, Otto N., *Ph.D., Professor of Sociology, University of Washington*
- Liu, Ts'un-yan, *Ph.D., Professor and Head, Dept. of Chinese, Australian National University*
- Mackinnon, Donald W., *Ph.D., Professor of Psychology, University of California at Berkeley*
- Marr, Allen G., *Professor of Microbiology, University of California at Davis*
- Montoye, Henry J., *Ph.D., Professor of Physical Education, University of Michigan*
- Muir, Priscilla, *M.A., Professor of Speech Pathology & Audiology, San Francisco State College*
- Obichere, Boniface I., *Ph.D., Assistant Professor of History, University of California at Los Angeles*

- O'Brien, James A., *D.B.A., Assistant Professor of Finance, Eastern Washington State College*
- Otto, Henry, *Ph.D., Professor of Education, University of Texas*
- Pate, John E., *Ed.D., Associate Professor of Human Behavior and Director of Wills Center School, Vanderbilt University*
- Perelman, Chaim, *Ph.D., Professor of Philosophy, University of Brussels*
- Pool, Ronald H., *Ph.D., Associate Professor of Psychology, University of Arizona*
- Preston, Richard E., *Ph.D., Professor of Geography, San Fernando Valley State College*
- Ryan, Ione J., *Ed.D., Associate Professor of Education, East Carolina University*
- Schwich, Luther C., *Ph.D., Western States Consultant, National Education Association*
- Short, James F., *Ph.D., Professor of Sociology, Washington State University*
- Simpson, Hugh C., *M.Ed., Assistant Professor of English, Southern Oregon College*
- Smith, Denis C., *Ed.D., Associate Professor and Chairman of Higher Education, University of British Columbia*
- Strasser, Marland K., *Ed.D., Professor of Safety & Driver Education, San Jose State College*
- T'ang, Chun-I, *Ph.D., Professor of Philosophy, New Asia College, Hong Kong*
- Upadhyaya, K. N., *Ph.D., Assistant Professor of Philosophy, Indian Institute of Technology*
- Ward, Joe H., *Ph.D., Program Director, Southwest Educational Development Laboratory*
- Weigend, Guido G., *Ph.D., Professor of Geography, Rutgers State University*
- White, William, *Ph.D., Professor of Journalism, Wayne State University*
- Wrenn, C. Gilbert, *Ph.D., Professor of Counseling and Educational Psychology, Arizona State University*
- Wylder, Robert C., *Ph.D., Professor of English, California State College at Long Beach*
- Yengoyen, Aram, *Ph.D., Associate Professor of Anthropology, University of Michigan*
- Yotopoulos, Pan A., *Ph.D., Associate Professor of Economics, Stanford University*





UNIVERSITY OF HAWAII

THE UNIVERSITY OF HAWAII was founded in 1907 as the land-grant college for the Territory of Hawaii, and became a state university when Hawaii joined the Union as the fiftieth state in 1959. Its main campus is located in the Manoa Valley section of Honolulu, the capital of the state. The colleges include: Arts and Sciences, Business Administration, Education, Engineering, Health Sciences and Social Welfare (including schools of Medicine, Nursing, Public Health, and Social Work), and Tropical Agriculture. There are also a Division of Continuing Education and Community Service and a statewide system of two-year community colleges. The Graduate Division assumes the major role in the organization and development of graduate programs, including a graduate school of Library Studies. The master's degree is offered in 64 fields and the Ph.D. degree in 28 fields. The academic year comprises two 18-week semesters and a summer session of two 6-week terms.

The University of Hawaii is accredited by the Western Association of Schools and Colleges. Its classes are open to all academically qualified men and women. It has chapters of national honor societies such as Phi Beta Kappa, Phi Kappa Phi, Sigma Xi, Pi Gamma Mu, Phi Delta Kappa, Sigma Pi Sigma, Omicron Delta Kappa, Chi Epsilon, Delta Sigma Rho, Eta Kappa Nu, Phi Eta Sigma, Delta Phi Alpha, Pi Delta Phi, Mortar Board, Alpha Lambda Delta, Pi Lambda Theta, and Beta Phi Mu.

THE SUMMER SESSION

ADMISSION. Applicants who fit any one of the following categories need not apply for admission to the summer session ahead of time, but will be required to complete the summer Application for Admission Form during registration:

1. Graduate of an accredited college or university.
2. Student currently in good standing at an accredited college or university.
3. Student who was in good standing at the last accredited college or university attended.
4. Student who was placed on scholastic suspension or was dismissed after the spring semester of 1969 from the University of Hawaii.
5. Student on scholastic probation, but eligible for continued registration at an accredited college or university.
6. Student who has never attended college or university before, but who has been accepted for admission at an accredited college or university.

Applicants who do not fit any of the categories listed above will be required to submit official transcripts along with Admission Form 15 in advance to the Office of Admissions and Records, 125 Bachman Hall, 2444 Dole Street, University of Hawaii, Honolulu, Hawaii 96822, to fulfill admissions requirements. Admission Form 15 may be obtained by writing to the Office of Admissions and Records.

Admission to the summer session does not imply admission to the fall or spring semesters.

AUDITORS. Persons wishing to attend certain lecture classes regularly, without receiving credit, may register as auditors with the approval of the instructor. Auditors are not entitled to participate in discussions, examinations, or other class activities, and are not permitted in seminars, laboratory sections, studio or activity courses. They are not subject to late registration fees. Courses audited will not appear on the student's records.

VISITOR'S TICKETS. Since the summer session provides an opportunity to hear classroom lectures given by many distinguished professors in various fields, visitor's tickets are available to persons who would like to visit different lecture classes without examination or credit. These tickets may be purchased at the business office, in Bachman Hall, for \$40.00 per summer term. The visitor's ticket must be shown upon demand and entitles the bearer to attend any classroom lecture other than in institute courses, if there is an available seat. Visitors are not entitled to participate in classroom discussions, examinations, or other class activities, and are not permitted in seminars, laboratory sections, and foreign language, studio, and activity courses.

VETERANS. The University of Hawaii is authorized to enroll veterans under Public Laws 358, 634, 815, and 90-631. Students registering for the first time under these laws should bring with them their Certificate of Eligibility for Education and Training.

FOREIGN STUDENTS. All foreign students who plan to enroll in the summer session must report first to the English Language Institute (ELI), in Kuykendall Hall 226, in order to make arrangements for an evaluation of their English proficiency. *Registration for University courses is not permitted until ELI completes its evaluation.* Tests for this purpose will be given on March 8, May 10, and June 12.

Following evaluation of their English proficiency, the following classes of students are excused from ELI training: (1) those whose native language is English; (2) those who hold a degree from a college or university in an English-speaking country; (3) those whose English meets the University's standards for full-time study; and (4) those who have passed a semester's course in English composition with a minimum grade of "C" at an accredited American university.

All other foreign students are assigned to a program of ELI instruction designed to serve individual needs. (See page 73 for a description of ELI courses.) Because of their special nature, ELI courses take precedence over all other course work; they may not be postponed, dropped, or taken in auditor status. Students who fail to comply with ELI assignments may be denied further registration at the University.

Students assigned to ELI training take a reduced academic load, in order to devote sufficient attention to gaining satisfactory English competence. Students who are required to take relatively large amounts of ELI work must anticipate correspondingly slower progress toward their academic goals. This is an especially important factor in some graduate programs, and should be carefully considered by all foreign students whose time or financial support is limited.

Registration in ELI courses is restricted to students who have been officially admitted to the University. Students who apply to the University for the sole purpose of entering ELI in order to improve their English will not be accepted.

CHANGES. *The University reserves the right to make changes in fees, faculty assignments, and time schedules, to cancel any course that does not draw adequate registration, and to set maximum limits for enrollment in certain classes.* A final schedule of courses, including changes made after publication of this catalog, will be available at registration time.

STUDENT PROGRAMS. Undergraduate students are limited to a maximum program of 6 credit hours in each 6-week summer term. In exceptional cases, 7 credit hours may be carried if approved by the appropriate college

dean or, *in the case of transient students* (here for the summer only) by the Dean of Summer Session. Evening courses being taken concurrently in the Division of Continuing Education are to be included in the computation of total credits carried.

Graduate students may carry 7 credits during a 6-week term. The approval of the Dean of the Graduate Division, or the Dean of Summer Session *in the case of transient students*, is necessary for any heavier course load. The *Graduate Division Bulletin* lists courses acceptable for graduate credit.

DEANS' OFFICES. The offices of the deans are located as follows:

- Academic Development, Bachman 205
- College of Arts and Sciences, Webster 204
- College of Business Administration, Hawaii 110
- School of Travel Industry Management, Lunalilo Freeway 4
- College of Education, Wist Annex-2 224
- College of Engineering, Keller 119
- College of Health Sciences and Social Welfare, Leahi Hospital
 - School of Medicine, Leahi Hospital
 - School of Nursing, Webster 416
 - School of Public Health, Spalding 255
 - School of Social Work, Makai Campus 8
- College of Tropical Agriculture, Gilmore 114
- Division of Continuing Education and Community Service, Hawaii 21
- Graduate Division, Spalding 354
- Library Studies, Sinclair Library 15
- Summer Session, Pineapple Research Institute 101

REGISTRATION FOR FIRST TERM

I. Students enrolled at the University of Hawaii during the current spring semester and residents of Hawaii.

A. *Distribution of Packets*

Time, date, and place will be announced in the Honolulu Advertiser and Star-Bulletin.

B. *Enrollment.* Students will enter Klum gym to pick up IBM course cards and pay their fees at or after the hour indicated in the following time schedule (for last names):

Thursday, June 12

Ka-Kh	8:00 a.m.	D, E, & F	1:00 p.m.
Ki-Kz	9:00 a.m.	C	2:00 p.m.
I, J, & G	10:00 a.m.	A-B	3:00 p.m.
H	11:00 a.m.	L	4:00 p.m.

Friday, June 13

T, U, & V	8:00 a.m.	N & O	1:00 p.m.
Sa-Sh	9:00 a.m.	Ma-Me	2:00 p.m.
Si-Sz	10:00 a.m.	Mf-Mz	3:00 p.m.
P, Q, & R	11:00 a.m.	W, X, Y, & Z	4:00 p.m.

DO NOT REPORT AHEAD OF SCHEDULE. ALPHABETICAL AND TIME SEQUENCES WILL BE STRICTLY ENFORCED.

GYM DOORS WILL BE CLOSED BETWEEN 12 NOON AND 1 P.M. AND AT 4:30 P.M. ON JUNE 12 AND JUNE 13.

II. Mainland students; also University of Hawaii students and State of Hawaii residents who were unable to register previously.

A. *Distribution of Packets.* Packets will NOT be mailed ahead of time. Report on Monday, June 16, 1969, anytime between 7:30 a.m.-3:30 p.m. to the University High School Multi-Purpose Building, corner of Dole Street and University Avenue.

NOTE: Students are advised to pick up their registration packets a half hour before they are scheduled to enter the gym as shown below.

B. *Enrollment.* Students will enter Klum gym to pick up IBM course cards and pay their fees at or after the hour indicated in the following time schedule (for last names):

Monday, June 16

L-N	8:00 a.m.	A-B	1:00 p.m.
O-R	9:00 a.m.	C-E	2:00 p.m.
S-V	10:00 a.m.	F-H	3:00 p.m.
W-Z	11:00 a.m.	I-K	4:00 p.m.

DO NOT REPORT AHEAD OF SCHEDULE. ALPHABETICAL AND TIME SEQUENCES WILL BE STRICTLY ENFORCED.

GYM DOORS WILL BE CLOSED BETWEEN 12 NOON AND 1 P.M. AND AT 4:30 P.M.

REGISTRATION FOR SECOND TERM. Registration for the second term will take place on Monday, July 28. Students should report to Bilger Hall ANYTIME between 7:30 a.m. and 3:30 p.m. where they will be issued registration packets.

NOTE: Students are advised to pick up their registration packets a half hour before they are scheduled to enter HEMENWAY HALL as shown below.

Students will enter HEMENWAY HALL to pick up IBM course cards and pay their fees at or after the hour indicated in the following time schedule (for last names):

L-N	8:00 a.m.	A-B	1:00 p.m.
O-R	9:00 a.m.	C-E	2:00 p.m.
S-V	10:00 a.m.	F-H	3:00 p.m.
W-Z	11:00 a.m.	I-K	4:00 p.m.

DO NOT REPORT AHEAD OF SCHEDULE. ALPHABETICAL AND TIME SEQUENCES WILL BE STRICTLY ENFORCED.

HEMENWAY HALL WILL BE CLOSED BETWEEN 12 NOON AND 1 P.M. AND AT 4:30 P.M.

LATE REGISTRATION. Late registration will be permitted the first two days of instruction if approved by the appropriate dean and during the succeeding two days if approved by both the dean and the instructor concerned. Thereafter, students may not register for credit but may be admitted as auditors with the consent of the Dean of Summer Session.

CHANGE OF REGISTRATION. Changes in registration will be permitted beginning Wednesday, June 18, in the first term, and Wednesday, July 30, in the second term. Change of program forms may be obtained at the deans' offices.

For change fees and refunds, see below.

RESERVATION OF CLASS SPACE. In anticipation of certain courses being closed, many students request that space be reserved in order to be guaranteed enrollment in certain courses. Unfortunately, the University of Hawaii is not in a position to accommodate these requests. Students are advised, therefore, to have alternate courses in mind as they plan their summer program.

STUDENT NUMBERS. The University uses Social Security numbers for student numbers. All students, therefore, must present Social Security cards at the time of their first registration at the University. Students who do not have numbers, those who have lost their cards, and those who have had name changes since getting cards should arrange with their local Social Security offices for assignment of numbers prior to registration. Students from foreign countries may make application for Social Security numbers at the time of registration.

ZIP CODES. The University cooperates with the United States Post Office Department in recording zip codes for all registered students. Students should acquaint themselves with zip codes, both for their permanent and local addresses, so that the codes may be entered on their registration materials.

TUITION AND FEES. The summer session receives no legislative appropriation and is expected to operate within the limits of its own revenues. The following schedule of fees applies equally to all students, including persons from out of state.

Tuition is \$16.00 per credit hour, whether the course is audited or taken for credit. There is no separate registration fee, no laboratory or other course fees, except for applied music, institutes, and other special programs as noted in the catalog. All zero (0) credit courses will be charged \$16.00 per credit hour based on the equivalent credit hours.

An activity fee of \$2.50 is charged during the first 6-week term.

Fees must be paid in full at the time of submission of registration cards. A student's registration is not complete until all fees have been paid.

A late registration fee of \$5.00 is charged beginning the day instruction starts.

There is a charge of \$2.00 for any change in program after registration unless waived for good cause by the Dean of Summer Session.

Library fines and others, such as for violating campus parking regulations, must be paid promptly. Students are expected to learn the campus driving, parking, and library rules.

REFUNDS. A student in good standing who withdraws from a course may obtain the following refunds, upon presenting his fee slip receipt:

\$12.00 per credit, until 4 p.m. on June 19 (first term); or until 4 p.m. on July 31 (second term).

\$6.00 per credit thereafter, until 4 p.m. on June 24 (first term); or until 4 p.m. on August 5 (second term).

There will be no refunds after June 24 in the first term and after August 5 in the second term. No part of the \$40.00 visitor's ticket, the student activity fee, or of the laboratory or course fee, where assessed, is refundable. 100% refund is granted only when the University is responsible for a change of program.

PERSONAL CHECKS. Traveler's checks, cashier's checks, and money orders are accepted. Personal checks will be accepted for payment of summer session fees only when the amount of the check does not exceed the amount due from the student. *If the check is not honored by the bank concerned* the student will be assessed an additional charge of \$10.00.

GRADES AND EXAMINATIONS. Final examinations are given in all courses unless other methods of grading are authorized by the Dean of Summer Session. The final examination is 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 counted as "0" (zero) in computing the grade for the course. Students must complete all work and examinations required by their instructors, attend classes regularly until the end of each course, and hand in all assignments by that time. No part of the work may be continued beyond the end of the term.

The grading system is the same as in the regular sessions: *A*, excellent; *B*, good; *C*, fair; *D*, barely passing; *F*, failure. The grade *I* (incomplete) is not normally used in summer session, but if it is, the grade will be changed to *F* if the student's work is not completed prior to the Thanksgiving recess.

Student copies of summer grades are sent to the Hawaii address shown on the Personal History Form within a week after the end of each six-week term.

WITHDRAWALS. To withdraw from a course a student must obtain a withdrawal form at the appropriate dean's office and have it properly filled with all necessary signatures. The effective date of withdrawal is the date recorded by the business office. *A student who stops attending a course without going through the foregoing procedure will receive an F (failure) for the course.* During the first five days of instruction in any term a formal withdrawal is marked *W* on the student's record. Thereafter, and prior to the last five days of instruction in the term, a formal withdrawal is marked *W* if the student's work was of passing grade; otherwise it is marked *W-F*. No withdrawals from courses are permitted during the last five days of instruction.

To withdraw completely from the summer session, a student must fill out a form available at the Records office, and fulfill all its requirements.

TRANSCRIPTS. A student who requests the Records office 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. Financial obligation."

TO DOE TEACHERS OF HAWAII. Transcripts or grade slips of work done during the summer to qualify for higher salary classification will be accepted by the Department of Education up to September 30, 1969. Salary adjustment made as a result of such work will be effective as of September 1.

LIBRARY PRIVILEGES. Students will be issued identification cards for the use of library facilities and borrowing of library materials. The activity card, which may be claimed at the summer session recreation office, Hemenway Hall 2nd floor, upon presentation of the registration receipt, will also serve as the library identification card.

Summer Session Notes

ENROLLMENT FIGURES. The University of Hawaii summer session is one of the largest in the country. In 1968, a total of 20,638 students enrolled, registering for 84,253 credits. Some 75% of the students were from Hawaii, 20% from the mainland, and 5% from other countries or areas; women students outnumbered the men by about 57% to 43%; and some 54% of the summer students were candidates for University of Hawaii degrees and diplomas.

COURSES ON ASIA AND THE PACIFIC. In addition to standard courses comparable to those given at other American universities, the 1969 summer session offers many distinctive courses such as the following:

American Studies: Social Thought in East and West.

Anthropology: Regional Cultures of Oceania, Hawaii.

Art: Aspects of Asian Art; Art of China; Art of South Asia.

Asian and Pacific Languages: Chinese; Hawaiian; Hindi; Indonesian; Japanese; Korean; Sanskrit; Tagalog; Thai; Vietnamese.

Asian Studies: Summer Institute; Study Tour of Asia.

Drama and Theatre: Oriental Drama and Theatre; Japanese Theatre.

Education: Methods and Materials for the Study of Hawaii; History of Education in Hawaii; Dances of Hawaii.

English: Literature of the Pacific.

Fashion Design, Textiles and Merchandising: Costumes of Northeast Asia.

Food and Nutritional Sciences: Foods of the Pacific.

Geography: Japan; Australia and New Zealand; Hawaii; Southeast Asia.

History: South Asia; China; Japan; Hawaiian Islands; Southeast Asia; Indonesia.

Library Studies: Administration of Libraries in Asia; Asian Reference Sources.

Music: Institute on Asian Music in Music Education; Applied courses in Koto, Shamisen, Hawaiian Chant, Japanese Dance, Korean Dance, Okinawan Dance, Philippine Dance.

Philosophy: Indian; Buddhist; Chinese.

Political Science: Government and Politics of South and Southeast Asia.

Religion: Asian Religions and Social Change.

Sociology: People and Institutions of Japan; Race and Culture Contacts in Hawaii.

EAST-WEST PHILOSOPHERS' CONFERENCE. The Fifth East-West Philosophers' Conference will be held at the University from June 22 to July 26, 1969, on the theme "The Alienation of Modern Man." In conjunction with the Summer Session of the University, the Conference will offer students opportunities to study Asian and comparative philosophy. The Conference program will include a series of lectures and panel discussions open to the public. Members of the Conference will also participate in certain courses offered in the Summer Session.

Philosophy courses to be offered in the summer of 1969 are:

- 100 Introduction to Philosophy
- 200 History of Philosophy
- 210 Introduction to Logic
- 306 Continental Rationalism
- 310 Twentieth Century Philosophy
- 417 Theory of Knowledge
- 425 Philosophy in Literature
- 450 Indian Philosophy
- 460 Buddhist Philosophy
- 470 Chinese Philosophy
- 656 Indian Social Philosophy
- 662 Zen (Ch'an) Philosophy
- 700 Individual Western Philosophers
(Heidegger)
- 770 Seminar in Chinese Philosophy
- 780 Seminar in Comparative Philosophy

For further information concerning the Conference write to Professor Abraham Kaplan, Director, Fifth East-West Philosophers' Conference, 1993 East-West Road, University of Hawaii, Honolulu, Hawaii 96822.

Institute on Asian Studies. June 16–July 25. The Eleventh Summer Institute on Asian Studies will be directed by Dr. Ulrich H. R. Mammitzsch,

Assistant Professor of History, University of Hawaii. The program carries 6 graduate credits and is designed primarily for secondary school teachers, administrators and librarians, but it is open to others as well.

The institute will offer lectures, discussions, workshops, and films on East, Southeast, and South Asia; special evening programs (Asian music, dance and the arts); tours of Asian temples; and other cultural activities.

The East-West Center Institute for Student Interchange is offering 100 tuition and partial travel grants to secondary school teachers of social sciences or literature, curriculum coordinators, administrators, and librarians selected for participation in this institute.

Membership fee in the institute is \$110.00, including tuition and student activity fees. For application forms write to: Summer Session Office, 2500 Dole Street, Room 101, University of Hawaii, Honolulu, Hawaii 96822.

EPDA Title V-E Institute for Counseling and Guidance, Three Summer Sequence, Junior College. June 16–August 8. To improve the qualifications of individuals who are engaged, or teachers preparing to engage, in counseling and guidance of students in junior colleges and technical institutes. Inquiries should be addressed to the director of the institute: Dr. Daniel W. Fullmer, Department of Educational Psychology, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Summer Institute in Economic Education. June 16–July 25. The seven credit institute (Ed CI 699, Ed CI 497, and Econ 492) will accept 50 secondary school teachers and curriculum specialists in social studies. Applications will be accepted from all parts of the United States. Preference will be given to teachers from Hawaii and the Pacific region. The three courses which will be offered to the participants will stress basic economic concepts, methods of instruction, and Hawaii as a case study.

Scholarships will be given to 25 high school students who will take a course in economics. This practicum will be an integral part of the institute and the teacher will participate in the instruction of the high school course.

All fees and tuition will be paid by the Hawaii Joint Council on Economic Education. For further inquiries, write to: Hunter M. Temple, Director, Office of Economic Education, 2327 Dole Street, Honolulu, Hawaii 96822.

Summer Work-Study Program in Mental Health and Related Areas. June 16–July 25. For students in any field of study in a college or university who would like to explore career possibilities in mental health or related areas, or who would like to gain a better understanding of community and institutional efforts in these areas. Sponsored by the Western Interstate Commission on Higher Education, the program includes field experience at institutions for the mentally ill, mentally retarded, delinquent, and other community service agencies, as well as academic work, tutorial conferences,

seminars, and study projects. Six undergraduate credits (Ed EP 200) are earned. A stipend of \$450.00 is awarded to selected students. Inquiries should be addressed to the director of the work-study program: Dr. Dean K. McIntosh, Department of Educational Psychology, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Summer Institute in Science and Mathematics for Teachers of U. S. Children in the Far East. The institute is supported by the National Science Foundation and will be held from June 16–July 25, 1969 at Chofu, Japan. The program is designed to improve the quality of science and mathematics instruction in those elementary and secondary schools in the Far East which enroll an appreciable number of American children by providing some of their teachers with the opportunity to increase their subject-matter competence in mathematics, biological sciences, and physical sciences. Enrollment is limited to persons who are now teaching in eligible schools in the Far East, or who will be teaching there in the fall of 1969. Director of the Institute will be Dr. Charles H. Lamoureux, Department of Botany, 2450 Campus Road, University of Hawaii, Honolulu, Hawaii 96822.

N. S. F. Summer Institute in Science for Secondary School Teachers in the Trust Territory of the Pacific Islands. June 23–August 1. Koror, Palau, Caroline Islands. This institute was requested by the Commission of Education of the Trust Territory, sponsored by N. S. F., for science teachers in secondary schools throughout the Trust Territory. Instruction will be offered in marine biology, tropical meteorology, astronomy, and Pacific island geology. The institute is so designed to take advantage of the natural endowments of the Palau Island group and to explore science with the participants by maximum use of the ocean, coral reefs, weather systems, stars and planets, and local rocks and minerals.

The program as far as N. S. F. support is concerned is limited to 30 school teachers from Micronesia. The director of the institute is Dr. Agatin T. Abbott.

Workshop in Aerospace Education. June 16–July 11 (4 weeks). Introduction to aerospace science and technology and the social, economic, and political implications; designed for K-12 teachers, administrators, and curriculum specialists; background in science not required. Enrollment is limited and advanced registration by May 1 is required. Inquiries should be directed to Donald G. Aten, Coordinator, College of Education, University of Hawaii, 1776 University Avenue, Honolulu, Hawaii 96822.

Institute on Foods of the Pacific. June 16–July 25. The food habits, customs, and cookery of China, Japan, Korea, the Philippines, and Hawaii (see FN 377). Inquiries should be addressed to: Assistant Dean Hazel V. Kraemer, Miller Hall 109, University of Hawaii, Honolulu, Hawaii 96822.

Study Tour of Europe (Returning via Asia). June 30–August 22. A study tour of Europe including the U.S.S.R. and returning round the world via Asia, will be led by Dr. Robert E. Potter, Associate Dean for Academic Development. After a week of orientation on the campus, the group will leave for Europe on July 5 via New York. The tour will include London, Stratford-upon-Avon, Coventry, Paris, Berlin, Nuremberg, Rothenburg, Munich, Garmisch-Partenkirchen, Venice, San Marino, Rome, San Gimignano, Florence, Pisa, Como, Lugano, Lucerne, Zurich, Vienna, Moscow, Leningrad, New Delhi, Agra, Calcutta, Bangkok, Hong Kong, Tokyo, and Nikko. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Inquiries should be addressed to: Dr. Robert E. Potter, Bachman Hall 205, University of Hawaii, Honolulu, Hawaii 96822.

Study Tour of Asia. June 30–August 8. A study tour of the Far East and Southeast Asia will be led by Professor Douglas S. Yamamura, Chairman of the Department of Sociology. After a week of lectures and programs on campus, the group will leave Honolulu on July 5. The itinerary will include Tokyo, Nikko, Kamakura, Hakone, Nagoya, Kashikojima, Kyoto, Nara, Okinawa, Taipei, Taroko Gorge, Manila, Singapore, Kuala Lumpur, Bangkok, Hong Kong, and Macau. Travel arrangements will be handled by Mrs. Ruth Rittmeister, manager of International Travel Service of Honolulu. Inquiries should be addressed to: Dr. Douglas S. Yamamura, Department of Sociology, 2550 Campus Road, Room 327, University of Hawaii, Honolulu, Hawaii 96822.

Art and Architecture Study Tour. This tour to Europe, conducted under the direction of Professor A. Bruce Etherington, will acquaint students at first hand with art and architectural treasures of the past and present and will encourage a greater understanding of the cultures and peoples of other lands. These tours are restricted to students currently enrolled at the University of Hawaii. Travel arrangements will be handled by Ala World Travel. For particulars, write to: Professor A. Bruce Etherington, Department of Art and Architecture, 2560 Campus Road, University of Hawaii, Honolulu, Hawaii 96822.

Tourism Study Tour. This tour to Europe, conducted under the direction of Mr. Roger N. Lascelles, Visiting Instructor in Travel Industry Management, will expose students to the physical European tourist facilities and the concepts of management and the philosophy influencing the structure of European tourism. This tour is restricted to students currently enrolled at the University of Hawaii. For particulars, write to: Mr. Roger N. Lascelles, TIM School, 1300 Lower Campus Road, Lunalilo Freeway Bldg. 3, Room 6, University of Hawaii, Honolulu, Hawaii 96822.

Matson South Pacific Educational Cruises. A course on Geography of the Pacific Ocean Area and a course on Geographic Exploration and Mapping in the Pacific will be offered by Mr. Abraham Piianaia aboard the *S. S. Mari-posa*, leaving San Francisco on June 8 for a cruise of the South Pacific. A course on The Sea will be offered by Dr. Robert W. Hiatt on the *S. S. Monterey*, leaving San Francisco on July 3. Each ship will visit Los Angeles, Bora Bora, Papeete, Rarotonga, Auckland, Sydney, Noumea, Suva, Niuafou'u, Pago Pago, and Honolulu, before returning to San Francisco.

For particulars, write to: Summer Session Office, 2500 Dole Street, Room 101, University of Hawaii, Honolulu, Hawaii 96822; or to the N.E.A. Division of Educational Travel, 1201 16th Street, N.W., Washington, D. C. 20036; or to the Division of Educational Services, Matson Lines, 110 Mission Street, San Francisco, California 94105.

P & O South Pacific Educational Cruise. A course on Arts of the Pacific will be offered by Professor J. Halley Cox aboard the *S. S. Orsova*, leaving Honolulu on July 3 for a cruise of the South Pacific. Visits will be made to Suva, Auckland, Rotorua, Sydney, Canberra, Hong Kong, Kobe, Nara, Kyoto, Tokyo, Kamakura, and Yokohama, before returning to Honolulu.

For particulars, write to: Summer Session Office, 2500 Dole Street, Room 101, University of Hawaii, Honolulu, Hawaii 96822; or to Professor J. Halley Cox, Department of Art, 2560 Campus Road, University of Hawaii, Honolulu, Hawaii 96822; or to International Travel Service, 307 Lewers Street, Honolulu, Hawaii 96815.

Extracurricular Activities

UNIVERSITY PROGRAM. During the first 6-week term, an extensive program of educational and recreational extracurricular events is sponsored by the summer session office. The program includes Tuesday evening lectures, the Summer Theatre, guided tours on and off campus, and various programs at Hemenway Hall, the student union building.

Details of the summer program for 1969 will be printed in *Summer 1969*, a special publication distributed at the beginning of the first summer term.

ACTIVITY CARDS. Students who have paid their fees are issued summer session activity cards which may be claimed at the summer session recreation office, Hemenway Hall 2nd floor. The activity card entitles the bearer to attend or participate in various extracurricular events sponsored by the summer session office during the first 6-week term. For certain trips or activities an additional fee is charged to help defray the cost.

Summer session faculty members may purchase activity cards at the student price of \$2.50. Spouses and children (late teenager or older) of these faculty members or of summer session students may purchase activity cards for \$10.00, upon approval of the Director of Student Activities. Persons not fitting the foregoing categories are not eligible for the activity cards.

The activity card is not transferable. Loss of one's card must be reported immediately to the business office of the University. Illegal use of another's card is subject to disciplinary action.

HEMENWAY HALL. Hemenway Hall, the student union building, is available for use each morning, Monday through Friday. Its services include 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.

SUMMER PLAYS. The University Summer Theatre will present plays and a dance concert in the John F. Kennedy Theatre. Summer session students may apply for participation in the productions; students wishing to receive academic credit for such participation may register for Theatre Workshop (Drama S 250).

Reserved seat tickets will be available at the Kennedy Theatre box office Monday through Saturday from 9 a.m. to 1 p.m. during the six-week period (telephone 944-8746 or 944-8747); reservations are held until 1 p.m. the day before a performance. There will be a nominal charge for summer session students with activity cards. Admission for those without activity cards will be \$2.50 for adults and \$1.25 for students.

FESTIVAL OF THE ARTS OF THIS CENTURY. The twelfth annual Festival of the Arts of This Century will be presented concurrently with the summer session, June 16 to July 25. Sponsored by the University of Hawaii Summer Session and the University of Hawaii Foundation, the Festival is dedicated to the exchange of East-West contemporary arts in music, dance and visual arts and theatre.

Visiting Professor Ingolf Dahl from the University of Southern California and other important Asian-Western composers are being invited. A young composers concert, performed by University of Hawaii student musicians, will present works by young composers from Asia, a mainland United States university, and the University of Hawaii.

The modern dance concert will feature the appearance of Jean Erdman, the noted New York performer and choreographer. Qualified summer students may study advanced modern techniques with Miss Erdman and will have an opportunity to appear in the Festival dance program. Also performing in this concert will be the University of Hawaii Dance Theatre.

OF INTEREST TO VISITORS. Honolulu is a cosmopolitan metropolis of over 400,000 people representing nearly all parts of the world. The numerous shops offering exotic wares from everywhere, the lovely residential districts, and the beach areas with their sand, surfboards, and catamarans are of special interest to visitors. Then, there are the famed Bernice P. Bishop Museum, the Honolulu Academy of Arts, the Ulu Mau Hawaiian Village, the Foster Park Botanical Gardens, the Pacific National Memorial Cemetery, the Queen Emma Museum, the Royal Mausoleum, and the only erstwhile royal palace on American soil, Iolani Palace; also, Buddhist, Shinto, Confucian, and Taoist temples and shrines. There are dining facilities and restaurants of all types, many movie theaters, including drive-ins, five television and sixteen radio stations, free concerts by the municipal Royal Hawaiian Band, the extensive Honolulu Zoo, the University's Aquarium at Waikiki, and other attractions to suit diverse tastes. In the city's environs, around the island of Oahu, and on the neighboring islands of Kauai, Maui, Molokai, Lanai, and Hawaii, there is an endless succession of fascinating places to visit.

Housing Information

The student is cautioned about several problem areas in making plans to attend the University of Hawaii.

Finding suitable housing in Honolulu is a major problem unless dealt with in advance of registration. Acceptance to the University does NOT assure one that housing will be available. Housing in this community is scarce and expensive. The student should be aware of this before arrival in order to be prepared.

On campus, there is only a limited number of residence hall facilities. All assignments are made on a first-come, first-served basis by date of application received in the Student Housing Office. There are no facilities on campus for married students. The office does keep listings of available off-campus spaces but these are small units scattered throughout Honolulu. These listings are limited and taken early—usually a month or more in advance of the term—and remaining facilities are farther away from campus and expensive.

The student must be prepared to make temporary housing arrangements in hotels or other quarters, if possible in advance, and to keep in mind that rental rates can quickly use up personal funds. The student himself must investigate all possible avenues of searching for housing including newspapers, rental agencies, personal or professional contacts in the community or any other available source. There is no place on campus to which luggage or mail may be forwarded ahead of arrival.

Inquiries concerning student housing should be directed to the Student Housing Office, Johnson Hall A, 2555 Dole Street, Honolulu, Hawaii 96822.

ON CAMPUS. To be eligible for any University of Hawaii residence hall, a student must be registered for at least 3 hours of lecture courses for credit. Examples of courses which do NOT meet this requirement are courses audited, night courses, or applied courses (such as physical education, applied music, applied art, etc.), and most of the 1 credit courses offered by the University. If there is any doubt as to proposed courses meeting the requirement, check with the housing office at time of registration. A student who reduces his load during the session to less than 3 hours of lecture courses for credit or who withdraws or who simply stops attending classes becomes ineligible for further residency and forfeits rental fees. He must vacate the hall within 24 hours of change of schedule. Application-contracts must be accompanied by the deposit before consideration for space reservation can be made. The contract is for room and board. Meals include breakfast and lunch, Monday through Friday.

Six-Week Contract

Room	\$135
Board	60
	<hr/>
	\$195*

University Housing Facilities Available:

Frear Hall: Accommodates 144 residents in double rooms.

Hale Kahawai: Accommodates 140 residents in double rooms.

John A. Johnson Hall, Building A: Accommodates 80 residents in double rooms.

John A. Johnson Hall, Building B: Accommodates 112 residents in double rooms.

Gateway House: Accommodates 104 residents each in two separate towers.

Hale Laulima: Accommodates 140 residents in double rooms. Also, there are 14 single accommodations with room and board fee at \$230.

Residence hall facilities are available only during the first 6-week term.

OFF CAMPUS. The rush for off-campus accommodations usually starts about three weeks prior to beginning of classes.

The Student Housing Office offers listings of rooms in private homes, a few apartments, and room and board jobs. These units are not inspected and negotiations with landlords are made directly by students.

Names of landlords are not available through the mail because of a rapid turnover in a tight housing market. Names of students looking for roommates are also not available.

Non-University Housing. Atherton House, the international residence of Atherton Branch Y.M.C.A., is located in the heart of the old campus, with all buses arriving at the University stopping nearby. The complete dormitory unit has singles, small doubles, large doubles, and triples for 80 to 90 students. Only men will be housed in the dormitory in the first session, but women may apply for the second session. Three completely furnished studio apartments are also available. For further information about the board and room package plan write to: The Director, Atherton Y.M.C.A., 1810 University Avenue, Honolulu, Hawaii 96822.

The Shinshu Kyokai Dormitory, at 1641 South Beretania Street, about a mile from campus, can accommodate some 95 students, both men and women. For further information about its board and room rates, write to: the resident administrator Mrs. Yoshiko Tatsuguchi, 1631 S. Beretania Street, Honolulu, Hawaii 96814, or telephone 941-2033.

* Board charges may be subject to change with 30 days notice.

Additional Information

STUDENT HEALTH SERVICE. The Student Health Service is interested in assisting the student with his health problems while he is attending the University of Hawaii. Its medical care program is comparable to that of the general office practice of medicine. A dispensary provides physician and nursing care from 7:15 a.m. to 4:30 p.m., Monday through Friday; and from 9:00 a.m. to 11:00 a.m. on Saturdays. The infirmary can provide beds for medical care of minor illnesses on a 24-hour basis, 7 days a week, during the first summer term only.

A student may need to be referred to a private physician for medical care problems beyond the scope of the Health Service. It is therefore strongly advised that each student join a health insurance program to obtain supplemental medical and hospital coverage while he is on campus.

All regularly registered students of the University of Hawaii may continue to use the services of the Health Service if they have a completed University of Hawaii Health Form on file.

Summer session students who have special medical problems that require close followup by the Health Service should bring letters from their personal physicians specifying recommendations for their care. Allergy shots, for example, will *not* be given by the Health Service unless the student submits authorization and directions from his personal physician.

Medical clearance for Health and Physical Education course requirements. Certain courses offered by the health and physical education department require medical clearance for admission (see course listings under Health and Physical Education). Regularly registered students of the University of Hawaii who have been given medical clearance by the Student Health Service during the current academic year may register for HPE courses during the summer session without further medical clearance. Students who are registered for the summer session only will be issued this medical clearance by the Health Service provided the following steps are taken:

1. The student must have a medical examination performed by his personal physician. Arrangements for this medical examination, including payment, must be made by the student.
2. The student must submit the result of the medical examination to the Health Service. The University of Hawaii health form for reporting the result of the medical examination may be obtained by writing to: Student Health Service, University of Hawaii, 1710 East-West Road, Honolulu, Hawaii 96822.
3. The Health Service will then study medical examination report and issue the appropriate medical clearance.

TRANSPORTATION. Air service on regular schedules between continental United States and Hawaii is provided by United Air Lines, Pan-American World Airways, and Northwest Air Lines. Canada and Hawaii are linked by Canadian Pacific Air Lines and Qantas Airways. Steamship service is provided by Matson Navigation Company and the American President Lines, among others.

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 five tickets for \$1.00, or 25¢ cash. During the period of the summer session, special shuttle bus service between the University and the Waikiki district is available at certain hours.

The major outer islands, Hawaii, Maui, and Kauai are easily reached by Aloha Airlines and Hawaiian Airlines with many daily flights.

STUDY TOURS TO HAWAII. Each year various travel agencies bring to Hawaii many hundreds of students whom they have enrolled as members of their study or tour groups. However, **NO TRAVEL AGENCY OR PERSON HAS EVER BEEN AUTHORIZED TO REPRESENT THE UNIVERSITY OF HAWAII IN RECRUITING STUDENTS FOR TOURS TO HAWAII.** It should be understood, of course, that the University of Hawaii welcomes all qualified students, whether they come by themselves or in organized groups, and that no special treatment is accorded anyone because of membership in a tour group.

These study tours to Hawaii should not be confused with certain overseas study tours which have been arranged at the request of the summer session office, and which start from the University of Hawaii campus with a member of our resident faculty in charge; or the South Pacific Educational Cruises operated by the summer session office with the cooperation of the N.E.A. Division of Educational Travel, the Matson Navigation Company, and the P&O-Orient Lines.

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 in Honolulu. A duly notarized statement signed by the drivers' parents may be submitted for consideration by the Honolulu Police Department in lieu of this form. A driver under 20 years of age is otherwise liable to arrest.

PARKING AND TRAFFIC. Students are expected to familiarize themselves with the University's parking and traffic rules and regulations established by the board of regents. These regulations, together with special instructions, may be obtained at several locations on campus including the Admissions and Records Office in Bachman Hall, and the Auxiliary Services

building. Ignorance of these rules and special instructions will not excuse a student from the payment of fines for violations.

Parking stickers are sold near the swimming pool during registration and at the traffic desk in the Auxiliary Services building thereafter.

FINANCIAL AIDS. Opportunities for part-time employment during the summer are quite limited. Students should therefore plan to meet all of their summer session expenses without relying on part-time employment. Students from other states are advised that living costs in Hawaii are higher than in most mainland communities.

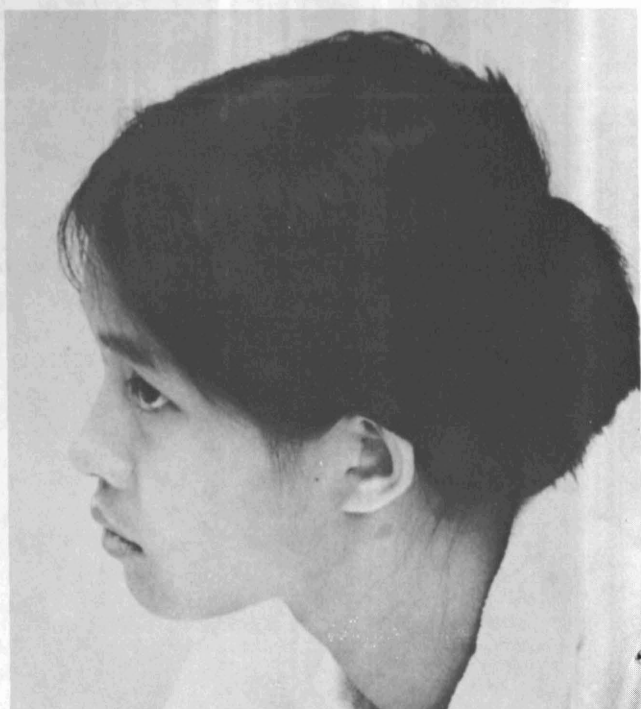
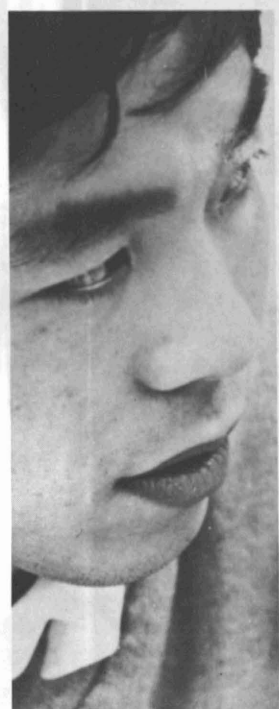
No scholarships are available during the summer session, except in certain institutes and special programs.

A limited amount of money is available for National Defense Student Loans only to qualified students who are completing work toward a University of Hawaii degree.

CLASSROOM ATTIRE. One of the pleasant features of summer sessions in Hawaii is that professors and students are generally attired somewhat more informally than during the fall and spring semesters, and colorful "Aloha" shirts and Hawaiian dresses make the campus one of the most picturesque to be seen anywhere. Canons of good taste are, of course, expected to be observed by all.

HILO CAMPUS SUMMER COURSES. The University of Hawaii Hilo Campus is on the island of Hawaii some 200 miles southeast of Honolulu. During the academic year it enrolls about 600 students. A select list of summer courses will be offered again, both for entering freshmen and other undergraduates and for teachers in service. Students planning to enroll in summer courses and requiring housing should contact the Office of Student Personnel, Hilo Campus, for information concerning available housing in the city of Hilo. Inquiries should be addressed to: Provost, University of Hawaii Hilo Campus, Hilo, Hawaii 96720.





COURSES OFFERED

The course numbering system used at the University of Hawaii is as follows:

1. UNDERGRADUATE COURSES 1 through 499
 - A. Courses not applicable toward a bachelor's degree 1- 99
 - B. Courses applicable toward a bachelor's degree100-499
 - Initial or introductory courses; normally open to freshmen.....100-199
 - Second-year courses in a sequence or development within a field of study.....200-299
 - Third-year courses in sequence, or first courses in professional curricula normally taken by juniors.....300-399
 - Most advanced undergraduate courses.....400-499
2. POST-BACCALAUREATE COURSES.....500 through 800
 - A. Courses in continuing education *not* generally applicable toward degrees.....500-599
 - B. Courses applicable toward advanced degree...600-800
 - Courses typically taken in first year of graduate study, or first in sequence.....600-699
 - More advanced graduate courses.....700-799
 - Thesis research 800

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

Most classes will be held according to the following schedules:

50-MINUTE CLASSES

7:45- 8:35
9:10-10:00
10:10-11:00
11:35-12:25
1:35- 2:25
2:35- 3:25

75-MINUTE CLASSES

7:20- 8:35
8:45-10:00
10:10-11:25
11:35-12:50
1:10- 2:25
2:35- 3:50

FIRST TERM June 16—July 25

AGRICULTURE, TROPICAL

Agriculture (AG)

- | | | |
|-----|------------------------------|---------|
| 299 | Agricultural Practice (arr.) | S. Goto |
| 399 | Agricultural Thesis (arr.) | Staff |

Agricultural Economics (AEc)

- | | | |
|-----|---|-------|
| 399 | Directed Study (arr.) | Staff |
| | Limited to exceptional undergraduate students who are qualified to carry on advanced study. Pre: consent of instructor. | |
| 699 | Directed Research (arr.) | Staff |

Agricultural Engineering (AE)

- | | | |
|-----|--------------------------|-------|
| 699 | Directed Research (arr.) | Staff |
|-----|--------------------------|-------|

Agronomy (Agron)

- | | | |
|-----|--------------------------|-------|
| 699 | Directed Research (arr.) | Staff |
| 700 | Directed Research | Staff |

Animal Sciences (An Sc)

- | | | |
|-----|--|-------|
| 941 | Livestock Management (3) | Staff |
| | Assigned problems and practical experience in management of livestock; evaluating, feeding and housing beef cattle, dairy cattle, poultry, swine. Required for animal science majors during summer between junior and senior years.
Daily 7:00-12:00 Waialeale Farm | |
| 699 | Directed Research (arr.) | Staff |
| 800 | Thesis (arr.) | Staff |

Entomology (Ento)

- | | | |
|-----|--|-------|
| 399 | Directed Research (arr.) | Staff |
| | Limited to participants in the National Science Foundation Undergraduate Research Participation Program and to exceptional undergraduate students who are qualified to carry on research problems. | |
| 699 | Directed Research (arr.) | Staff |

Food Science (Fd Sc)

- | | | |
|-----|--------------------------|-------|
| 699 | Directed Research (arr.) | Staff |
| 799 | Directed Research (arr.) | Staff |

Horticulture (Hort)

699 Directed Research (arr.) Staff

Plant Pathology (PPath)

605 Clinical Plant Pathology (3) A. P. Martinez

699 Directed Research (arr.) Staff

Soil Science (Soils)

699 Directed Research (arr.) Staff

799 Directed Research (arr.) Staff

Fashion Design, Textiles and Merchandising (FDM)

111 Aesthetics of Clothing (3) Herrick

Factors involved in clothing selection. Principles of line, color, design for individual figures. Consumer buying of wardrobes.

Daily 8:45-10:00

125 Fashion Analysis (3) Troxell

Dynamics of fashion; environmental factors influencing fashion demand; analysis of fashion trends; history, structure and terminology of the women's fashion industry.

Daily 10:10-11:25

329 Fashion Field Experience (2) Furer, Troxell

Eight weeks' full time supervised internship for qualified fashion design majors in apparel manufacturing plants; in department and specialty stores for qualified fashion merchandising majors. Comprehensive terminal report required. Pre: junior or senior standing; consent of instructor prior to May 15.

416 Costumes of Northeast Asia (3) Umbel

Historical development and characteristic features of traditional and folk costumes and fabrics of China, Vietnam, Korea, Japan and Okinawa. Relation to customs and cultures; impact of Western influence on contemporary dress. Pre: Hist 151-152.

Daily 11:35-12:50

Food and Nutritional Sciences (FN)

377 Institute on Foods of the Pacific (3) M. L. Ching, C. C. Chee

Designed to acquaint the student with food habits, customs, and cookery of nations bordering the Pacific. Chinese, Filipino, Hawaiian, Japanese and Korean foods will be prepared and served. One lecture period and two laboratory periods weekly. Pre: home economics course in foods, or previous experience in food preparation. Open to men and women upper division or graduate students.

Lab fee: \$20.00

Lecture: M 10:10-12:30

Lab (1) WF 7:30- 9:50 (Ching)

(2) TTh 10:10-12:30 (Ching)

(3) TTh 10:10-12:30 (Chee)

(4) WF 10:10-12:30 (Ching)

(5) WF 10:10-12:30 (Chee)

499 Directed Reading and Research (arr.) Staff

Food Service Administration (FSA)

- 283 Classical Food and Beverage Management (3)** **G. Hotchkin**
 Study of classical beverages, production characteristics in relation to food service planning and classical cuisine. Lab experience with gourmet and ethnic cookery. Pre: 281.
 Daily 10:10-11:25
- 499 Directed Reading and Research (arr.)** **Staff**

Nutrition (Nutr)

- 699 Directed Reading and Research (arr.)** **Staff**

AMERICAN STUDIES (Am St)

- 397 Social Thought in East and West (3)** **N. F. Springel**
 Some basic problems and processes of human society, examined through a comparison of East and West.
 Daily 11:35-12:50
- 485 Dissent (3)** **J. P. Gurian**
 Development of modern dissent and its uses in American religious, political, social movements.
 Daily 8:45-10:00
- 799 Directed Research (3)** **Staff**
 Pre: graduate standing; consent of instructor.
 Hrs. arr.

ANTHROPOLOGY (Anth)

- 150 Introduction to Anthropology (3)** **T. S. Newman**
 Human evolution; prehistoric development of culture; recent and contemporary man, common features and principal variations in cultural behavior.
 Daily 8:45-10:00
- 200 Cultural Anthropology (3)** **A. Yengoyan**
 Nature of culture; basic concepts for analyzing cultural behavior; patterning, integration, and dynamics of culture; culture and the individual.
 Daily 8:45-10:00
- 230 Social Anthropology (2)** **A. Yengoyan**
 Systematic study of human social institutions; general principles of social interaction formulated from ethnographic data. Pre: 150 or 200 or written consent of instructor.
 Daily 11:35-12:25
- 420-421 Archeological Techniques (3-3)** **R. Green**
 Archeological survey and excavation; daily field trips, mapping, photography, recording. Laboratory analysis and evaluation of field data; preservation and restoration of artifacts. Preparation of materials for publication. Pre: 210 or equivalent or consent of instructor.
 Hrs. arr.
- 450 Regional Cultures of Oceania, Hawaii (3)** **R. Heighton**
 Historical problems and regional developments in ecology, social structure, world view, and other aspects of indigenous cultures. Pre: 200, 250, or consent of instructor.
 Daily 7:20-8:35

ARCHITECTURE (Arch)

400 Special Projects in Architecture (arr.)

Staff

Intensive and specialized work at an advanced level in fields of special interests of visiting staff. Credit cannot count toward major requirements. Pre: advanced standing and consent of instructor.
Hrs. arr.

ART (Art)

Except as noted, completion of introductory studio courses Art 113, 114, 115, 116, and Art 101 is the prerequisite to all studio courses numbered 200 and above. Art 101 is the prerequisite to all art history courses but other appropriate preparation may be substituted with the consent of the instructor.

The department may retain any student work for departmental use.

101 Introduction to the Visual Arts (3)

M. Turnbull

The nature of visual art and its expressions in various forms. Lectures, demonstrations.
Daily 8:45-10:00

105 Elementary Studio—Ceramics (3)

S. Fletcher, M. Takata

(4 sections)
Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in Art.

Daily (1) 7:20-10:00 (Fletcher) (3) 8:45-11:25 Farrington High School (Takata)
(2) 10:10-12:50 (Fletcher) (4) 1:10- 3:50 Farrington High School (Takata)

106 Elementary Studio—Sculpture (3)

H. Okino

Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in Art.
Daily 1:10-3:50

108 Elementary Studio—Drawing and Painting (3)

R. Davidson, K. Bushnell

(2 sections)
Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in Art.
Daily (1) 7:20-10:00 (Davidson) (2) 10:10-12:50 (Bushnell)

113 Introductory Studio "A" (3)

J. Wiig

Emphasis on perception: visual responses to nature; materials, techniques, modes of representation. Problems in two and three dimensions involving photography, drawing, painting, sculpture and construction.
Daily 10:10-12:50

114 Introductory Studio "B" (3)

H. Gilbert

Emphasis on light: environmental; general intensity; value range; sources; chiaroscuro; pattern; principles of color. Problems in two and three dimensions involving drawing, painting, sculpture, design.
Daily 10:10-12:50

115 Introductory Studio "C" (3)

Z. Katz

Emphasis on space: environmental; actual and illusionary; changing spatial systems and space modifiers. Problems in two and three dimensions involving drawing, painting, sculpture, design.
Daily 10:10-12:50

- 116 Introductory Studio "D" (3)** **J. Wisnosky**
 Emphasis on time, motion, systems: visual kinetics sequence, rhythm, order and systems. Problems in two and three dimensions involving drawing, painting, sculpture, design.
 Daily 10:10-12:50
- 207 Photography A (3)** **F. Salmo**
 Camera as tool of expression and photography as basic art form. Student required to have own camera.
 Daily 7:20-10:00
- 208 Photography B (3)** **F. Salmo**
 Development of form in photography. Pre: 207.
 Daily 10:10-12:50
- 213 Figure Drawing (3)** **S. Kimura, K. Bushnell**
 (2 sections)
 Intensive drawing from human figure. May be repeated.
 Daily (1) 7:20-10:00 (Bushnell) (2) 10:10-12:50 (Kimura)
- 217 Printmaking (3)** **J. Wisnosky, R. Davidson**
 (2 sections)
 Technical controls; development of concepts appropriate to printmaking. May be repeated.
 Daily (1) 7:20-10:00 (Wisnosky) (2) 10:10-12:50 (Davidson)
- 223 Painting "A" (3)** **S. Kimura**
 Painting from studio and outdoor subject matter. Elements of pictorial style.
 Daily 1:10-3:20
- 230 Textile Design (3)** **M. Havaas**
 Design problems for production of printed fabric utilizing silk screen techniques. Seminars.
 Daily 7:20-10:00
- 238 Weaving (3)** **J. Williams**
 (2 sections)
 Creative process of weaving. Warping and threading of simple hand looms and multiple harness looms. Seminars.
 Daily (1) 7:20-10:00 (2) 10:10-12:50
- 243 Ceramics A (3)** **S. Hayase**
 Introduction to ceramic forms using hand building and wheel throwing techniques. Introduction to glazing techniques and surface treatment. Seminars.
 Daily 1:10-3:50
- 244 Ceramics B (3)** **C. Horan, S. Pleyte**
 (2 sections)
 Intermediate wheel throwing and hand building. Operation and care of kilns. Seminars. Pre: 243.
 Daily (1) 7:20-10:00 (Pleyte) (2) 10:10-12:50 (Horan)
- 253 Sculpture (3)** **M. Sato**
 Study of form and structure, using variety of materials and techniques. Seminars.
 Daily 7:20-10:00
- 254 Intermediate Sculpture (3)** **M. Sato**
 Developing concepts of personal form and form relationships with cast and welded metals. Seminars. Pre: 253.
 Daily 10:10-12:50

- 265 Advanced Visual Design (3)** **K. Kingrey**
Investigation into processes of visualization, its expression and control. Seminars. May be repeated.
Daily 10:10–12:50
- 266 Advanced Visual Design (3)** **W. Anderson**
Design and communication. Projects closely bound to idiom and problems of our time, system, grid, module, computer, symbol. Pre: 265.
Daily 10:10–12:50
- 270 Aspects of European and American Art (3)** **J. Scott**
Major developments in arts of Europe and America.
Daily 7:20–8:35
- 280 Aspects of Asian Art (3)** **J. Caswell**
Major developments in arts of Asia.
Daily 8:45–10:00
- 317 Advanced Printmaking (3)** **J. Wisnosky**
Independent projects; advanced studio practice. Seminars. Pre: two semesters of 217. May be repeated.
Daily 7:20–10:00
- 330 Advanced Textile Design (3)** **M. Havaas**
Design and execution of printed fabric, utilizing photographic processes and combined techniques of silkscreen printing. Seminars. Pre: 230 (exception: visual design majors). May be repeated.
Daily 10:10–12:50
- 361 Typography (3)** **W. Anderson**
Development of letter form in calligraphy and typography.
Daily 7:20–10:00
- 362 Letter Forms (3)** **K. Kingrey**
Design and communication. The letter as visual symbol and element in design organization. Pre: 361.
Daily 7:20–10:00
- 376 Modern Art (3)** **J. Scott**
Sculpture and painting of Europe and America in 19th and 20th centuries. Pre: 270.
Daily 11:35–12:50
- 385 Art of China (3)** **J. Caswell**
Major developments in arts of China. Pre: 280.
Daily 10:10–11:25
- 391 Art of South Asia (3)** **P. Neogy**
Major developments in arts of South Asia, West Asian context and growth of South-east Asian art. Pre: 280.
Daily 1:10–2:25
- 617 Printmaking (3)** **J. Wisnosky**
Individual problems in intaglio, relief and planographic processes. Seminars. Pre: consent of chairman and instructor. May be repeated.
Daily 7:20–10:00
- 630 Textile Design (3)** **M. Havaas**
Individual problems in areas of specific interest within textile field. Seminars. Pre: consent of chairman and instructor. May be repeated.
Daily 10:10–12:50

- 646 Ceramics (3)** **C. Horan**
 Individual problems in advanced ceramics using hand building techniques. Seminars.
 Pre: consent of chairman and instructor. May be repeated.
 Daily 7:20-10:00
- 699 Directed Work (arr.)** **Staff**
 Pre: consent of instructor and chairman.
 Hrs. arr.

ASIAN AND PACIFIC LANGUAGES (AP)

- 690 Directed Reading (arr.)** **Staff**
 Directed reading of advanced text written in one of the Asian and Pacific languages.
 Pre: consent of instructor.
 Hrs. arr.

BOTANY (Bot)

- 105 Ethnobotany (3)** **Chock**
 Plants and their influence upon culture of Hawaii and Pacific; uses of cultivated and wild plants.
 Daily 8:45-10:00
- 160 Identification of Tropical Plants (2)** **Chock**
 Non-technical course in identification of common plants of tropics. Not open to students who have had 360; not credited for botany major.
 Daily (1) 10:10-11:00 (2) 11:35-12:25
- 181 Plant Life of the Sea (4)** **Staff**
 The kinds of marine plants, the algae and seaweeds, where they grow, and the part they play in the productivity of the sea. Pre: an introductory college biology course. Sea-shore trips.
 Daily 7:45-8:30 Lab (1) 8:45-9:45 Lab (2) 10:10-11:10
- 399 Botanical Problems (arr.)** **Staff**
- 699 Directed Research (arr.)** **Staff**
- 799 Directed Research (arr.)** **Staff**

BUSINESS ADMINISTRATION

Accounting (Acc)

- 201 Elementary Accounting (3)** **J. Norem**
 (2 sections)
 Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Pre: sophomore standing.
- MWF (1) 7:45- 9:30 Laboratory (1) and (2) TTh 7:45- 9:30
 MWF (2) 9:40-11:25 Laboratory (1) and (2) TTh 9:40-11:25

- 202 Elementary Accounting (3)** **Staff**
 Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Pre: 201.
 MWF 7:45–9:30 Laboratory (1) and (2) TTh 7:45–9:30
- 301 Intermediate Accounting (3)** **C. Spencer**
 Critical examination of generally accepted accounting principles as applied to preparation and use of financial statements. Pre: 202.
 Daily 11:35–12:50
- 315 Cost Accounting (3)** **S. Lee**
 Cost determination and analysis as a tool of management in such areas as pricing, make, rent or buy decisions. Job order, process, direct and standard costs. Pre: 202.
 Daily 7:20–8:35
- 325 Income Tax Problems (3)** **C. Spencer**
 Federal income tax laws and related accounting problems; individual, partnership and corporation returns. Pre: 202.
 Daily 8:45–10:00

Business Analysis and Statistics (BAS)

- 111 Applied Mathematics (3)** **Pickett**
 Application of mathematical operations to problems in business and economics; linear equations; progressions; theory of sets and functions; elementary matrix notation; differential and integral calculus (including partial differentiation, maxima and minima, and Lagrange multiplier techniques). Pre: Math 134.
 Daily 10:10–11:25
- 301 Business Statistics (3)** **Congdon**
 (2 sections)
 Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.
 Daily (1) 7:20–8:35 (2) 10:10–11:25
- 302 Business Statistics (3)** **Kim**
 Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.
 Daily 8:45–10:00
- 321 Introduction to Quantitative Analysis (3)** **Kim**
 Tools and techniques for elementary operations research studies; introductory analysis of matrices, determinants and vector analysis for input-output, linear programming, and the theory of games. Pre: 111, Math 134.
 Daily 7:20–8:35

Business Economics (BEc)

Economics 150 is prerequisite to all other courses.

- 303 Money, Credit and the Capital Market (3)** **Seo**
 Nature and functions of money, debt and credit, and liquidity; financial institutions and money market analysis; fund flow analysis.
 Daily 7:20–8:35

341 Managerial Economics I (3) Pickett
 Demand analysis; production analysis relating to factors and to products; various forms of imperfect competition; demand creation and selling costs; multiproduct output, technological change; problems of uncertainty. Pre: Math 134, BAS 111.
 Daily 8:45-10:00

342 Managerial Economics II (3) Seo
 Working concepts and case studies relating to demand analysis and production analysis; problems of demand creation, multifactors and multiproducts, technological change; cases involving working capital, financing and capital budgeting; input-output analysis and programming techniques. Pre: 341.
 Daily 10:10-11:25

375 Business Enterprise and Public Policies (3) Ige
 Study of interrelations between business and government. Special attention to analysis of public policies affecting business management: regulating monopoly and competition; businesses affected with public interest; use of subsidies to promote public purposes; use of government financing to regulate business.
 Daily 8:45-10:00

Finance (Fin)

300 Business Finance (3) J. Trine
 Study of forms and sources of financial business firms large and small, corporate and non-corporate. Emphasis on planning and judgment in formulating decisions on financial problems. Social, legal and economic effects of financial policies. Pre: Acc 202, Econ 150.
 Daily 10:10-11:25

Management (Mgt)

300 Principles of Management (3) Bailey
 Basic management functions of planning, controlling, organizing, staffing, directing; emphasis on human factors and quantitative analysis in developing a sound philosophy of management; critical evaluation of current practices in business firms.
 Daily 10:10-11:25

321 Operations Management I (3) Staff
 Planning for effective office and manufacturing operations: historical development, human factors, methods analysis, work measurement, location, layout, machines and equipment, and records management.
 Daily 8:45-10:00

322 Operations Management II (3) Staff
 Control techniques for office and manufacturing operations: inventory and production planning and control, inspection and statistical quality control, computers and automation. Pre: 321.
 Daily 10:10-11:25

341 Human Factors in Management (3) Bailey
 Human relations in business; contributions of sociology and psychology to the management process and to an understanding of individual behavior in organizations.
 Daily 8:45-10:00

345 Business Policy (3) Staff
 Case studies in assessing alternative risks in solving policy problems; an interdisciplinary approach applying and integrating many of the subjects in the College of Business Administration. Pre: senior standing.
 Daily 8:45-10:00

Marketing (Mkt)

- 300 Principles of Marketing (3)** **Stellmacher**
 Fundamental concepts and problems of marketing within the present economic, legal, and social environments; consumer analysis, functional analysis, and marketing institutions.
 Daily 8:45–10:00
- 315 Marketing Management (3)** **Stellmacher**
 Analysis and solution of problems involving pricing, distribution, product strategy, promotion, and marketing research from the management point of view. Economic and social responsibilities of the marketing function are emphasized.
 Daily 10:10–11:25
- 330 Advertising Management (3)** **Jacobs**
 Advertising decision making, advertising's role in the marketing mix, primary demand stimulation, selective demand stimulation, building complete programs, and advertising agency relationships.
 Daily 10:10–11:25
- 340 Retailing Management (3)** **Jacobs**
 Principles, functions and analysis of problems in retailing: location and layout; merchandise planning, buying, and selling; organization; expense analysis and control; coordination of store activities.
 Daily 8:45–10:00

GRADUATE COURSES IN BUSINESS ADMINISTRATION

- Bus 610 Economic Analysis for Business (3)** **T. Ige**
 Economic analysis and background of the business firm, economic decisions, and economic environment of business.
 TTh 6:15–9:35 p.m.
- Bus 620 Accounting (3)** **Staff**
 Introduction of financial and managerial accounting with emphasis on uses of accounting information in the planning and control of business enterprise by decision-maker.
 MW 6:15–9:35 p.m.
- Bus 625 Administration (3)** **J. Bailey**
 Development of administrative theory and practices; analysis of the administrative process as an integrated whole, evaluation of current trends and problems.
 TTh 6:15–9:35 p.m.
- Bus 635 Marketing (3)** **R. Hooks**
 Analysis of the fundamental problems in marketing management and modern methods of attacking them. Emphasis is upon strategy, decision-making, and the relationship of the firm to its customers.
 TTh 6:15–9:35 p.m.
- Bus 640 Personnel and Industrial Relations (3)** **K. Davis**
 Analysis and critical evaluation of those issues, policies, and trends in personnel and labor relations which are of concern to management.
 TTh 6:15–9:35 p.m.
- Acc 761 Advanced Cost and Controllershship (3)** **S. Lee**
 Specialized cost accounting systems; uses and interpretations by management. Controllershship function in business organization.
 MW 6:15–9:35 p.m.

- RE 750 Real Estate (3)** **D. Bell**
 Application of business techniques to real property resources.
 MW 6:15-9:35 p.m.

The two courses listed below will be offered June 16-Sept. 5.

- Bus 745 Business Policy (3)** **Staff**
 Analysis of comprehensive business problems to provide an integration of learning through the resolution of policy issues and through practice in administrative decision-making.
 TTh 6:15-7:50 p.m.

- Mgt 720 Organization Theory and Practice (3)** **Staff**
 Evolution of organization theory and practice with major emphasis on contemporary organizational problems, issues and developments.
 TTh 8:00-9:35 p.m.

TRAVEL INDUSTRY MANAGEMENT (TIM)

- 321 Tourism Principles I (3) (Study Course to Europe)** **R. Lascelles**
 Study and application of basic components of tourism. Includes philosophy and promotion of tourism, travel counseling, use and evaluation of publicity media, development of tourism at regional, national, international levels.
 June 22-August 23

Real Estate (RE)

- 300 Real Estate Fundamentals (3)** **D. Bell**
 Principles of real estate for customer, home owner, business, real estate law, brokerage, management, appraisal, finance.
 Daily 8:45-10:00

Transportation (Trans)

- 351 Economics of Transportation (3)** **H. Bess**
 Development of major transportation systems and their marketing function in American economy as integral part of process of physical distribution. Pre: Econ 151 or BEc 341.
 Daily 8:45-10:00

CHEMISTRY (Chem)

- 114 General Chemistry (3)** **Staff**
 Fundamental laws, principles, methods. Pre: 113. (Continuation of 113).
 Daily 8:30-10:00
- 116 General Chemistry Laboratory (1)** **Staff**
 Experiments illustrating fundamental principles of chemistry. Pre: 115, credit or registration in 114.
 Laboratory TTh 1:00-5:00
- 193 Elementary Quantitative Analysis (2)** **Staff**
 Beginning gravimetric and volumetric analysis. Pre: 114-116 or 117, 118.
 Daily 11:35-12:25

- 134 Elementary Quantitative Analysis Laboratory (2)** Staff
 Gravimetric and volumetric analysis. Pre: credit or registration in 133.
 Laboratory (1) Daily 8:00–11:30 (2) Daily 1:30–5:00
- 243 Organic Chemistry (3)** Staff
 Carbon compounds. Topics include molecular structure, stereochemistry, nuclear magnetic resonance, reactions and methods of preparation of principal classes of organic compounds. Pre: 114, 116 or 117, 118.
 Daily 8:30–10:00
- 245 Organic Chemistry Laboratory (1)** Staff
 Techniques of organic chemistry. Synthesis and qualitative analysis. Applications of spectroscopy. Chromatography. Pre: credit or registration in 243.
 Laboratory MWF 1:00–5:00
- 399 Directed Research (arr.)** Staff
 Pre: consent of department chairman.
 Hrs. arr.
- 799 Directed Research (arr.)** Staff
 Pre: consent of department chairman.
 Hrs. arr.
- CHINESE (Chin)**
- 111 Intensive Elementary Chinese (6)** Staff
 (2 sections)
 Intensive course equivalent to Elementary Chinese of academic year. Includes all four skills: listening, speaking, reading, writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor.
 Daily (1) 7:20–10:00; 1:35–3:25 plus laboratory
 (2) 7:20–10:00; 1:35–3:25 plus laboratory
- 201 Intermediate Chinese (4)** Staff
 Continuation of 101–102. Language lab practice required daily.
 Daily 9:10–11:25 plus laboratory
- 301 Third-Level Chinese (3)** Staff
 Emphasis on vocabulary building and extended mastery of sentence structures of modern Chinese through reading and related conversation. Pre: 202 or equivalent.
 Daily 8:45–10:00 plus laboratory
- 303 Accelerated Third-Level Chinese (6)** Staff
 In one semester content of 301–302 covered. Pre: consent of instructor.
 Daily 8:45–10:00; 10:10–11:25 plus laboratory
- 361 Chinese Literature in Translation—Traditional (3)** L. Winters
 Historical survey from earliest times to 1842, with emphasis on analysis. Knowledge of Chinese not required. Pre: two semesters of literature in English department.
 Daily 1:10–2:25
- 401 Fourth-Level Chinese (3)** Staff
 Extensive reading with emphasis on academic topics. Pre: 302 or 303.
 Daily 10:10–11:25 plus laboratory
- 435 Introductory Classical Chinese (3)** Staff
 Analysis of basic structural patterns in classical Chinese through selected readings in various texts. Pre: 432 or equivalent.
 Daily 2:35–3:50

- 451 **Structure of Chinese (3)** K. Thern
 Introductory study of phonology, morphology, syntax of Mandarin Chinese including some discussion of usage and linguistic geography. Pre: 202 or equivalent.
 Daily 1:10-2:25
- 617 **Traditional Chinese Fiction (3)** C. Birch
 Study of major novels of Yuan, Ming, Ch'ing periods. Pre: 302, 436 or equivalent.
 Daily 11:35-12:50
- 750 **Research Seminar in Chinese (3)** C. Birch
 Specialization in literature. Pre: consent of instructor. May be repeated.
 Daily 2:35-3:50

DRAMA AND THEATRE (Drama)

- 160 **Introduction to Drama and Theatre (3)** J. R. Brandon
 Representative plays studied as illustrative of changing forms in the theatre and dramatic literature.
 Daily 8:45-10:00
- 250 **Theatre Workshop (3)** O. W. Schaub
 Lectures and supervised work in theatrical production, coordinated with productions of the University Summer Theatre; for the general student as well as drama majors and participants in the summer plays.
 Daily 2:00-5:00
- 299 **Theatre Practice: Make-up (3)** G. Cannon
 Lectures and supervised work. Term paper required.
 Daily 8:45-10:00
- 321 **Acting (3)** E. S. MacQueen
 Basic techniques. In addition to work in course, students must be available for casting in summer productions.
 Daily 10:10-11:25
- 322 **Acting (3)** G. Cannon
 Individual exercises and group rehearsals. In addition to work in course, students must be available for casting in summer productions. Pre: 321 or the equivalent.
 Daily 10:10-11:25
- 370 **Creative Dramatics (3)** D. H. Kaya
 Intensive study of dramatic activities for children and young people; designed for teachers, group workers, recreation majors, and others dealing with children.
 Daily 8:45-10:00
- 372 **Drama in Performance (3)** E. S. MacQueen
 Study of plays as scripts for performance.
 Daily 11:35-12:20
- 381 **Beginning Dance Techniques (3)** C. Wolz
 Training in modern dance and stage movement. Pre: consent of instructor.
 Daily 8:45-10:00
- 382 **Advanced Dance Techniques (3)** Staff
 Development of flexibility, control, rhythm, and expressiveness. Pre: consent of instructor.
 Daily 1:10-2:25

- 384 Ballet Technique (3)** **Y. Sasa**
 (2 sections)
 Training in the standard vocabulary of movement of classical ballet.
 Daily (1) 10:10–11:25 (Beginning) Daily (2) 11:35–12:50 (Intermediate)
- 464 Oriental Drama and Theatre (3)** **J. R. Brandon**
 Principal forms of Oriental drama and manner of production in the theatre. Pre:
 consent of instructor.
 Daily 11:35–12:50
- 476 Puppetry (3)** **D. H. Kaya**
 Survey of history and scope of puppetry. Construction and presentation of puppets
 for adult and child audiences.
 Daily 11:35–12:50
- 570 The Japanese Theatre (3)** **B. Ortolani**
 Survey of the principal forms—Noh, the doll theatre, Kabuki, and modern drama.
 Daily 8:45–10:00
- 660 Theories of the Theatre (3)** **B. Ortolani**
 Theories of production, from Aristotle to Brecht.
 Daily 10:10–11:25

DUTCH (Dutch)

- 311-312 Reading, Comprehension, and Speaking Skills (6)** **Staff**
 Introduction to modern Dutch designed for those students who wish to study a second foreign language. Reading, grammar, with some conversation and laboratory drill. Cannot be used to fulfill a language requirement.
 Daily 8:45–10:00; 10:10–11:25

ECONOMICS (Econ)

- 120 Introduction to Economics (3)** **Abudu**
 One-semester course for non-majors. Provides general understanding of functioning of economic systems, including various approaches to organization of production and allocation of resources, and of policies designed to achieve national economic goals.
 Daily 8:45–10:00
- 150 Principles of Economics (3)** **Ashby**
 Analysis of functioning of economic systems with emphasis on forces determining levels and changes of national income and employment. Describes basic economic institutions, e.g., markets, money, banks, labor organizations, corporations.
 Daily 8:45–10:00
- 151 Principles of Economics (3)** **Lim**
 Analysis of how commodity and factor prices are determined. Discusses policies for efficient allocation of scarce resources. Required of all economics majors.
 Daily 11:35–12:50
- 300 Intermediate Economic Theory: National Income (3)** **Staff**
 Concepts; determination of income, employment, price levels; effects of fiscal, monetary, other policies. Pre: 150.
 Daily 11:35–12:50

- 301 Intermediate Economic Theory: Price Theory (3)** **Psacharopoulos**
 Price determination and resource allocation under competition, monopoly, oligopoly, monopolistic competition. Theories of demand, cost, partial, general equilibrium.
 Pre: 151.
 Daily 8:45-10:00
- 310 Economic Development (3)** **Staff**
 Study of characteristics of underdeveloped economies, theories of economic growth, strategies of economic development, and investment criteria. Pre: 150, 151 or consent of instructor.
 Daily 8:45-10:00
- 321 Elementary Statistics (3)** **Tawil**
 Basic elements of statistics, with emphasis on application: graphic presentation, logarithmic scales, rates and ratios, time series analysis, index numbers, regression and correlation analysis.
 Daily 10:10-11:25
- 340 Money & Banking (3)** **Lefton**
 Nature and role of money; development of national and international monetary standards; role of commercial banking and financial intermediaries; development and function of central banking. Pre: 150.
 Daily 10:10-11:25
- 400 Growth and Fluctuations (3)** **Campbell**
 Rigorous analysis of factors underlying economic growth and fluctuations in advanced countries and role of government in influencing economic activities. Studies various growth models and their implications. Pre: 300.
 TTh 1:10-4:10
- 405 Comparative Economic Systems (3)** **Abudu**
 Analysis of structure, institutions, operation, performance, growth of private enterprise, socialist, communist and mixed economies, with emphasis on U.S., U.S.S.R. and underdeveloped economies. Pre: 300, 301.
 TTh 1:10-4:10
- 412 Economic Development of U.S. (3)** **Staff**
 Emphasizes period since World War I. Consideration of changing patterns of investment, consumption and employment. Pre: 150, 151.
 MW 1:10-4:10
- 420 Mathematical Economics (3)** **Staff**
 Review and application of mathematical techniques in economic analysis: differentiation, integration, differential equations, difference equations and linear programming. Pre: 300, 301, and Math 205 (calculus).
 Daily 8:45-10:00
- 430 Labor Economics (3)** **Staff**
 Economic analysis applied to labor market; wages, hours, conditions of work, unemployment, etc. Pre: 150, 151.
 Daily 11:35-12:50
- 450 Public Finance (3)** **Pollock**
 Considers governmental expenditures, revenues and debt, both descriptively and theoretically. Fiscal policy considered, as are budgeting and tax administration. Pre: 300, 301.
 MW 1:10-4:10

- 461 International Finance (3)** **Heller**
 Institutional and theoretical aspects of international financing: balance of payments, exchange rates, capital movements, and multilateral equilibrium in world money market. Pre: 300, 460.
 Daily 8:45–10:10
- 600 Macroeconomic Theory (3)** **Ashby**
 Keynesian and post-Keynesian theories of aggregative economics with special attention to factors determining levels of employment, prices, real income. Stabilization policies. Pre: 300.
 TTh 1:10–4:10
- 660 International Trade Theory (3)** **Heller**
 Modern development in national income theory and welfare economics with relation to international trade. Pre: 460, 462, or consent of instructor.
 MW 1:10–4:10

EDUCATION

Curriculum and Instruction (Ed CI)

The following courses have as prerequisite enrollment in the College of Education as classified student or permission of the department chairman: 312–326.

- 312(5) Foundations in Curriculum and Instruction: Elementary Education (3)** **Braun**
 Study of objectives and organization of school's curriculum; discussion of principles and practices; roles of teacher in school. Pre: Ed EF 310 and Ed EP 311.
 Daily 8:45–10:00
- 312(10) Foundations in Curriculum and Instruction: Secondary Education (3)** **Brown**
 Study of objectives and organization of school's curriculum; discussion of principles and practices; roles of teacher in school. Pre: Ed EF 310 and Ed EP 311.
 Daily 8:45–10:00
- 319 Children's Literature (2)** **E. Jenkins, W. Wheeler**
 (2 sections)
 Acquaintance with wide range of children's books; criteria for judging literature on basis of needs and interests. Pre: 312 or concurrent registration.
 Daily (1) 7:45–8:35 (Jenkins) (2) 9:10–10:00 (Wheeler)
- 320 Language Arts, Elementary (2)** **Braun**
 Modern approach to teaching of language arts—reading, oral, written expression. Pre: 312 or concurrent registration.
 Daily 11:35–12:25
- 321 Reading, Elementary (2)** **Gillespie, W. Wheeler**
 (2 sections)
 Survey of reading process: development of reading readiness, word recognition, comprehension, reading rate, vocabulary, reading interests, reading in content areas. Selection and use of reading materials, evaluation and appraisal of reading progress.
 Daily (1) 9:10–10:00 (Gillespie) (2) 10:10–11:00 (Wheeler)
- 322 Social Studies, Elementary (2)** **Inn**
 Major purposes: to point out special contributions of social studies to elementary curriculum; to aid students in developing sound instructional programs and procedures in elementary social studies. Pre: 312 or concurrent registration.
 Daily 10:10–11:00

- 323 Science, Elementary (2)** **Allen**
 Science education in elementary school; methods and materials; laboratory activities selected from new science curricula. Pre: 312 or concurrent registration.
 TTh Lec 10:10-11:00 MWF Lab 8:45-10:25
- 324 Mathematics, Elementary (2)**
 Purposes, procedures, scope, and organization in developing underlying concepts of elementary mathematics; analysis of new elementary mathematics programs; techniques, relative merits, roles of inductive and deductive approaches to new ideas. Pre: 312 or concurrent registration; Math 111.
 Daily 7:45-8:35
- 326 Creative Art, Elementary (2)** **Allen**
 (2 sections)
 Understanding scope and importance of art in elementary school curriculum, creative use of art media through laboratory experiences. Pre: 312 or concurrent registration; Art 101.
 Daily (1) 9:10-10:50 (2) 11:10-12:50
- 439 The Business Education Curriculum (3)** **Morris**
 Study of philosophy, principles, development of business education in secondary schools. Pre: 348 or 349 or consent of instructor.
 Daily 10:10-11:25
- 441 Education of the Slow Learners (3)**
 Characteristics and educational provisions for slow learning children. (Student must enroll in both 441 and 442.)
 Daily 8:45-10:00
- 442 Curriculum Development and Instruction for the Slow Learners (3)**
 Development of curricula and use of instructional materials for teaching slow learners in grades K-12. (Student must enroll in both 442 and 441.)
 Daily 10:10-11:25
- 460 Distributive Education (3)** **Morris**
 Principles, materials and methods of teaching distributive education subjects.
 Daily 1:10-2:25
- 497 Economic Education: Theory and Practice (3)**
 For teachers of social studies K-12. Examination of economy with special emphasis on those areas which pertain to social studies curriculum. Films, filmstrips, simulations, and most recent resource material will be examined. Pre: consent of instructor.
 Daily 8:00-9:15 McKinley High School
- 520(5) Supervision of Student Teaching: Elementary Education (3)** **S. Fujita**
 Principles and methods; role of supervisor; human relations in supervision of student teaching. Pre: teaching experience; consent of instructor.
 Daily 8:45-10:00
- 520(10) Supervision of Student Teaching: Secondary Education (3)** **D. Noda**
 Principles and methods; role of supervisor; human relations in supervision of student teaching. Pre: teaching experience; consent of instructor.
 Daily 8:45-10:00
- 527 Methods and Materials for the Study of Hawaii (3)** **Hazama**
 Course on State of Hawaii organized to have island teachers study content, materials, and activities that may be used particularly in grades 4-7 in Hawaii schools. Pre: 312 or concurrent registration or teaching experience; 322.
 Daily 10:10-11:25

- 540(4) Practicum in Curriculum Development: Foreign Language (3)** E. Sato
 Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in courses of study K-12. Development of curriculum materials and methods by participating teachers. Pre: related undergraduate methods course; teaching experience.
 MWF 10:10-12:15
- 540(10) Practicum in Curriculum Development: Social Studies (3)** F. Brown, Olmo
 (3 sections)
 Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in courses of study K-12. Development of curriculum materials and methods by participating teachers. Pre: related undergraduate methods course; teaching experience.
 Daily (1) 8:45-10:00 (Olmo) (3) 11:00-12:15 Aiea High School (Brown)
 (2) 10:10-11:25 (Olmo)
- 540(12) Practicum in Curriculum Development: Reading (3)** M. Schantz, Uehara
 (2 sections)
 Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for instruction in courses of study K-12. Development of curriculum materials and methods by participating teachers. Pre: related undergraduate methods course; teaching experience.
 (Special enrollment, State Department of Education)
 Daily (1) 10:45-12:00 (Uehara) off campus
 (2) 10:45-12:00 (Schantz) off campus
- 595 Aerospace Education Workshop (3)** H. Simpson
 Introduction to aerospace science and technology and social, economic, and political implications. Designed for all K-12 teachers, administrators, and curriculum specialists. Specialized background in science not required. Participation by national and local leaders in aerospace and related fields. Laboratory experiences include demonstrations, field trips, and development of curriculum materials. Descriptive brochure sent on request. Fee for laboratory and materials is \$15. Advanced registration required. Deadline is May 1, 1969.
 Daily 8:50-11:20 Kaimuki High School
 June 16-July 11
- 619 Children's Literature in the Elementary Curriculum (3)** W. Jenkins
 Examination in depth of traditional and modern literature for children with emphasis upon genre, historical development, research, curriculum development. Pre: 319.
 Daily 8:45-10:00
- 620 Teaching Reading in the Elementary School (3)** Gillespie
 Developmental and psychological aspects of the reading process, studying current trends, research, and techniques of evaluation. Pre: 321.
 Daily 11:35-12:50
- 621 Modern Language Arts Program, Elementary (3)** W. Jenkins
 Critical examination of educational procedures in teaching of language arts; current research including that related to language deprivation and linguistic science. Pre: 320 and teaching experience.
 Daily 11:35-12:50
- 622 Elementary School Curriculum (3)** H. Otto
 Theoretical foundations of curriculum development; curriculum research; critical examination of current practices in curriculum development for elementary school. Pre: 312 or equivalent; teaching experience.
 Daily 8:45-10:00

- 623 The Elementary Science Curriculum (3)** **Allen**
 Application of recent developments in science, curriculum construction, and learning theory to elementary school. Science content and methodology stressed. Pre: 323 and teaching experience.
 Daily 7:20-8:35
- 624 The Elementary Mathematics Curriculum (3)**
 Analysis of research relating to teaching and learning arithmetic, applying research findings to classroom procedures. Appraisal of recent curricular trends and critical examination of assumptions underlying proposed changes. Pre: 324 and teaching experience.
 Daily 10:10-11:25
- 625 The Elementary Social Studies Curriculum (3)** **Inn**
 Examination and evaluation of social science content, societal values, and research findings as basis for development and revision of social studies materials, texts, curriculum guides, and methodology. Pre: 322 and teaching experience.
 Daily 8:45-10:00
- 626 Art in Elementary Education (3)** **Pickens**
 Principles of and problems in teaching art in elementary school; curriculum development and current approaches in art education; laboratory experiences in art media. Pre: 326, Art 101.
 Daily 7:20-9:00
- 636 Secondary School Curriculum (3)** **Martin, Alexander**
 (2 sections)
 Principles and techniques of curriculum improvement at secondary school level. Pre: teaching experience.
 Daily (1) 7:20-8:35 (Martin) (2) 8:45-10:00 (Alexander)
- 640(8) Seminar in Teaching Fields: Reading (3)** **Uehara**
 Study of trends, research, and problems of implementation in special areas of teaching. Pre: undergraduate special methods course in appropriate teaching field; teaching experience; consent of instructor.
 (Special limited enrollment, State Department of Education)
 Daily 8:45-10:00
- 646 Reading Difficulties (3)** **M. Schantz, H. Smith**
 (3 sections)
 Causes, prevention, and correction. Evaluation and remedial practices useful to classroom teacher. Pre: course in teaching of reading.
 (Sec. 1—special limited enrollment, State Department of Education)
 Daily (1) 8:45-10:00 (Schantz) (2) 8:45-10:00 (Smith) (3) 10:10-11:25 (Smith)
- 657 Community College (3)** **D. Smith**
 Development of two-year comprehensive community college in U.S.; its emerging role in higher education. Functions, organization, curricular structure, achievement in relation to objectives, and crucial issues examined. Pre: consent of instructor.
 (Identical with Ed EF 657)
 Daily 7:20-8:35
- 699 Directed Reading and/or Research (arr.)** **Staff**
 Individual reading and/or research. Pre: consent of instructor and department chairman.
 Hrs. arr.
- 699 Directed Research (Social Studies: Economic Education) (1)** **Fultz**
 For selected junior and senior high school teachers only.
 Daily 9:30-10:45 McKinley High School

- 722 Seminar in Elementary Curriculum Foundations (3)** **E. Jenkins**
 Advanced study in development and improvement of curriculum of elementary schools. Pre: 622; consent of instructor. May be repeated once for credit.
 Daily 10:10–11:25
- 733 Seminar in Curriculum, Secondary (3)** **Martin, Alexander**
 (2 sections)
 Advanced study in development and improvement of curriculum of secondary schools. Required for Plan B M.Ed. candidates in their final semester or summer session. Pre: 636; consent of instructor. May be repeated once for credit.
 Daily (1) 10:10–11:25 (Martin) (2) 11:35–12:50 (Alexander)

Educational Administration (Ed EA)

- 610 School-Community Relations (3)** **Crossley**
 Application of principles, techniques, policies, organization of school-community information program. Pre: consent of instructor.
 Daily 8:45–10:00
- 620 School Finance (3)** **Jackson**
 School revenues, apportionments, budgetary procedures, costs, and business management. Pre: consent of instructor.
 Daily 8:45–10:00
- 623 Administrative Problems in Physical Education (3)** **Chui**
 Current problems and recent trends in conduct of physical education programs in educational settings. For administrators, teachers, and graduate students in physical education and related fields. Pre: HPE 423 or equivalent and consent of instructor.
(Identical with HPE 623)
 Daily 8:45–10:00
- 640 Systems Analysis in Educational Administration (3)** **Yucker**
 Designed for management personnel who wish to pursue modern ideas of system analysis and project management and the approaches which lead to effective planning, programming, and budgeting.
 Daily 7:20–8:35
- 660 School Plant (3)** **Cowger**
 Problems and techniques in school plant planning, operation, and maintenance; working with other agencies and with classified personnel. Pre: consent of instructor.
 Daily 7:20–8:35
- 680 School Organization (3)** **Johnson**
 Function of teacher in school administration; state organization of public education; Hawaii school law and State Department of Education regulations. Pre: teaching experience (may include student teaching) or consent of instructor.
 Daily 10:10–11:25
- 685 Educational Administration: Theory and Principles (3)** **Jackson**
 Theory and principles of administration. Required for M.Ed. Pre: consent of instructor.
 Daily 11:35–12:50
- 699 Directed Reading and/or Research (arr.)** **Staff**
 Individual reading and/or research. Pre: consent of instructor and department chairman.

- 700 Research Seminar in Educational Administration (3)** Johnson
Basic concepts of research in educational administration. Study and discussion of significant topics and problems; preparation and reporting of a scholarly paper. Required of Plan B M.Ed. candidates. Pre: consent of instructor.
Daily 1:10-2:25
- 770 Seminar in School Supervision (3)** Crossley
Application of methods and tools of supervision; faculty meeting; classroom observation; conferences; evaluation. Pre: 670, teaching experience, or consent of instructor. May be repeated.
Daily 10:10-11:25
- 780(1) Seminar in Educational Administration: Elementary (3)** H. Otto
Analysis of selected problems in school administration. Pre: 670, 680, 685 or consent of instructor. May be repeated.
Daily 11:35-12:50
- 780(6) Seminar in Educational Administration: Community College (3)** D. Smith
Analysis of selected problems in school administration. Pre: 670, 680, 685 or consent of instructor. May be repeated.
Daily 10:10-11:25

Educational Communications (Ed EC)

Ed EC 314, its equivalent, or consent of department chairman is prerequisite to all other courses.

- 314 Audio-Visual Techniques (2)** Wiley, Staff
(4 sections)
Nature and use of educational media as they relate to pupil needs in classroom learning situations. Identification, use, and evaluation of audio-visual instructional materials; application of known principles in educational media in classroom communications.
Daily (1) 7:45-8:35 (3) 9:10-10:00
(2) 7:45-8:35 (4) 9:10-10:00
- 510 Language Laboratory Learning Facilities (2)** Theuma
Survey of research and development underlying learning facilities. Laboratory purposes and relationship to classroom instruction and foreign language program objectives. Factors influencing the choice of laboratory equipment. Mandatory field experience: 2 hours daily lab training in Manoa campus foreign language laboratory under supervision to learn all phases of laboratory administration and operation. Pre: 314 or Ed CI 335 or consent of instructor.
MWF 2:35-4:00
- 614 Audio-Visual Media Systems (3)** Staff
Study of educational communications principles and their practical relationship to new educational media; techniques for design and utilization of combinations of media, both projected and non-projected, audio and visual, leading toward achievement of instructional goals; investigation of new teaching strategies: systems analysis, self-instructional and interrelated techniques.
Daily 10:10-11:25
- 625 Projection of Educational Film and Multimedia Presentations (3)** G. Mendelson
Planning and producing educational still and motion pictures and multimedia learning experiences; communication and aesthetic theories as they relate to planning and production. Emphasis on meeting curriculum goals through systematic development of film and multimedia presentations.
Daily 8:45-10:00

- 630 Television in Education (3)** **Reed**
 Research backgrounds; development and utilization of television in education including fundamentals of television production and teaching with emphasis on utilization of television in school.
 Daily 11:35-12:50
 T lab (1) 1:00-3:00 Th lab (2) 1:00-3:00
- 710 Seminar in Organization and Administration of Media Programs (3)** **Kucera**
 Current principles and practices in organization and administration of programs utilizing new learning media: audio-visual, automated learning, educational television, facilities for such purposes.
 Daily 11:35-12:50

Educational Foundations (Ed EF)

- 310 Foundations of American Education (3)** **Colwell, Kobayashi**
 (2 sections)
 Contemporary educational theory and practice as related to major historical, philosophical, and social factors in American culture.
 Daily (1) 7:20-8:35 (Colwell) (2) 8:45-10:00 (Kobayashi)
- 409 Culturally and Economically Disadvantaged Pupil (3)** **Gibbs**
 (2 sections)
 Survey of social and psychological factors related to the culturally and economically disadvantaged pupil and his education. Review of local resources and facilities to assist these pupils. Pre: consent of instructor. (*Identical with Ed EP 409*)
 Daily (1) 8:45-10:00 (2) 11:35-12:50 (Gibbs)
- 445 Educational Sociology (3)** **Colwell**
 Examination of development of theoretical and practical aspects of social structure and their relationship to education. Pre: 310 or 3 hrs. of sociology; consent of instructor.
 Daily 10:10-11:25
- 650 Historical Foundations of Western Education (3)** **Jaeckel**
 History of European thought and practice as basis for study of modern education.
 Daily 7:20-8:35
- 651 History of American Education (3)** **Jaeckel**
 Introduction to history of American educational thought from the 17th century to present.
 Daily 10:10-11:25
- 652 History of Education in Hawaii (3)** **Stueber**
 From Cook's discovery to the present. Ways in which social and intellectual factors in the Islands' history influenced the development of the Islands' culture and a common language community. Major emphasis upon the role of public and private schools in these developments.
 Daily 8:45-10:00
- 657 Community College (3)** **D. Smith**
 Development of two-year comprehensive community college in U. S.; its emerging role in higher education. Functions, organization, curricular structure, achievement in relation to objectives and crucial issues. Pre: consent of instructor. (*Identical with Ed CI 657*)
 Daily 7:20-8:35

- 660 Philosophy of Education (3)** **Fierman, Kobayashi**
 (2 sections)
 Philosophical considerations essential to theories of education. Pre: student teaching.
 Daily (1) 8:45-10:00 (Fierman) (2) 10:10-11:25 (Kobayashi)
- 683 Social Foundations of Education (3)** **Fierman**
 Impact on education of major social trends and forces operating in American society;
 social change and education. Pre: consent of instructor.
 Daily 10:10-11:25
- 768 Seminar in Problems in Education (2)** **Gibbs**
 Study and discussion of significant topics and problems. Required of Plan B M.Ed.
 candidates in final semester or summer session. Pre: Ed EP 708.
 Daily 10:10-11:25

Educational Psychology (Ed EP)

Ed EP 311 and 416 or their equivalents are prerequisites for all graduate courses in Educational Psychology.

- 200 Mental Retardation and Mental Health Work-Study Program (6)**
 Study, observation, and supervised field experience of the emotionally and socially maladjusted, the mentally ill, and the mentally retarded in community and institutional settings. (Enrollment limited to those students selected to participate in the Summer Work-Study Program in Mental Health and Related Areas.)
- 311 Psychological Foundations (3)** **T. McIntosh, Niyekawa-Howard**
 (3 sections)
 Principles of learning and individual differences; relationships of these factors to classroom experience. Pre: Psy 100.
 Daily (1) 7:20- 8:35 (McIntosh) (3) 10:10-11:25 (McIntosh)
 (2) 8:45-10:00 (Niyekawa-Howard)
- 404 Education of Exceptional Children (3)** **Takeguchi**
 Survey of characteristics of children who deviate from average in mental, sensory, physical, and social attributes; reviews adaptations made by schools to abilities and disabilities of exceptional children.
 Daily 8:45-10:00
- 405 The Mentally Retarded (3)** **Takeguchi**
 Review of the psychological, social, and vocational problems related to mentally retarded children and their families.
 Daily 11:35-12:50
- 408 The Emotionally Disturbed Child (3)** **Pate**
 (2 sections)
 Study of behavioral characteristics, methods of identification and management of emotionally disturbed children in regular and special classes in public schools, private day schools, clinics, residential schools, and hospitals.
 Daily (1) 8:45-10:00 (2) 11:35-12:50
- 409 Culturally and Economically Disadvantaged Pupil (3)** **Gibbs**
 (2 sections)
 Survey of social and psychological factors related to the culturally and economically disadvantaged pupil and his education. Review of local resources and facilities to assist these pupils. Pre: consent of instructor. (*Identical with Ed EF 409*)
 Daily (1) 8:45-10:00 (2) 11:35-12:50 (Gibbs)

- 416 Tests and Measurements (3)** **Dunn-Rankin, Ryans**
(2 sections)
Theory and techniques of measurement and evaluation in education, including supervised experience in instrument development and analysis.
Daily (1) 8:45-10:00 (Ryans) (2) 10:10-11:25 (Dunn-Rankin)
- 429 Introductory Statistics (3)** **G. Fujita**
Introduction to statistical methods, with laboratory applications to educational and psychological data, especially scores on educational measurement devices and other indices of learning or behavioral change. Pre: one year of high school algebra or one college course in mathematics and consent of instructor; 311 and 416 desirable.
Daily 10:10-11:25
- 432 Human Motivation and Education (3)** **A. Ryan**
Application of motivation theory and research to understanding and increasing human motivation for education. Pre: 311.
Daily 11:35-12:50
- 601 Guidance in the School (3)** **Westcott**
Basic principles of guidance; consideration of techniques, organization, materials, resources.
Daily 7:20-8:35
- 602 Elementary School Guidance (3)** **Linden**
Principles, techniques, and organization of guidance services in elementary school.
Daily 7:20-8:35
- 604 Occupational Information in Guidance (3)**
Occupational research and survey techniques; trends, sources of materials, use of occupational information in vocational guidance. Pre: 601.
Daily 10:10-11:25
- 605 Problems of School Adjustment (3)**
(2 sections)
Principles of behavior affecting human relationships in school, with emphasis upon application to actual situations.
Daily (1) 8:45-10:00 (2) 11:35-12:50
- 609 Tests and Inventories in Guidance (3)** **Linden**
Tests and inventories for measuring aptitudes, interests, and modes of behavior.
Pre: 416, 601.
Daily 10:10-11:25
- 610 Counseling: Theory and Practice (3)** **Zwetschke**
Theories and techniques of counseling and psychotherapy as preparation for practicum and field work. Pre: 416 or equivalent course in tests and measurements, 601 or equivalent course in guidance, consent of instructor.
Daily 8:45-10:00
- 629 Educational Statistics (3)** **Bhushan**
Statistical inference including applications of parametric and nonparametric methods to educational problems. Pre: 429 or its equivalent.
Daily 8:45-10:00
- 672 Advanced Educational Psychology: Learning (3)** **Reid**
Application of experimental evidence in learning upon major educational problems; analysis of research methods in classroom learning. Pre: consent of instructor.
Daily 10:10-11:25

- 673 Advanced Educational Psychology: Psycho-Social Development (3)** Niyekawa-Howard
Research methods and findings involving classroom group structures, attitude and personality development, and psycholinguistic behavior. Pre: consent of instructor.
Daily 11:35-12:50
- 699 Directed Reading and/or Research (arr.)** Staff
Individual reading and/or research. Pre: consent of instructor and department chairman.
- 701(3) Seminar in Guidance: Counseling Theory (3)** Wrenn
Current issues and problems. Pre: 8 credits in guidance courses; consent of instructor.
May be repeated for credit.
Daily 8:45-10:00
- 701(7) Seminar in Guidance: Group Procedures (3)**
Current issues and problems. Pre: 8 credits in guidance courses; consent of instructor.
May be repeated for credit.
Daily 8:45-10:00
- 701(8) Seminar in Guidance: Philosophical and Social Issues in Guidance (3)** Wrenn
Current issues and problems. Pre: 8 credits in guidance courses; consent of instructor.
May be repeated for credit.
Daily 10:10-11:25
- 702 Group Guidance (3)** Zwetschke
Principles, practices, materials, and techniques used in group guidance in schools.
Pre: 601.
Daily 11:35-12:50
- 730 Computer Applications and Studies of Human Behavior (6)** J. Ward
Applied regression analysis and computer usage in behavioral science with special reference to problems of concern to students and faculty in education, anthropology, sociology, and psychology.
Daily 8:00-11:00

Health & Physical Education (HPE)

Medical Clearance Requirement: For HPE courses numbered 101 through 163, 232 through 236, 333 through 337, and 433 through 434, a student is required to submit a medical clearance issued by the University of Hawaii Student Health Service no later than Friday, June 20, 1969. For the procedure to obtain this clearance, see p. 36.

- 103 Swimming: Beginning (1)** Seichi, Gustuson
(4 sections)
Adjusting to and immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.
Daily (1) 9:10-10:00 (Seichi) (2) 9:10-10:00 (Gustuson)
(3) 10:10-11:00 (Seichi) (4) 10:10-11:00 (Gustuson)
- 104 Swimming: Intermediate (1)** Seichi
Perfecting and integrating basic strokes with added emphasis on swimming for distance and speed.
Daily 11:10-12:00
- 107 Tennis: Beginning (1)** Asato
(3 sections)
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying; singles and doubles play.
Daily (1) 9:10-10:00 (2) 10:10-11:00 (3) 11:10-12:00

- 110 Golf: Beginning (1)** **H. Vasconcellos**
 (4 sections)
 Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, putting.
 Daily (1) 7:45-8:35 (2) 9:10-10:00 (3) 10:10-11:00 (4) 11:10-12:00
- 111 Golf: Advanced (1)** **Seichi**
 Improving drive, fairway wood shots, long iron shots, control shots, trouble shots, putting, course management, competitive strategy, problems in rules. Green fees paid by student for play on course.
 MW 1:35-3:40
- 124 Dances of Hawaii (1)** **Beamer, Kaina, M. Vasconcellos, Sharpe**
 (16 sections)
 Background and fundamentals of the hula. Selected dances with and without instruments.
 Daily (1) 7:45- 8:35 (Beamer) (9) 10:10-11:00 (Beamer)
 (2) 7:45- 8:35 (Kaina) (10) 10:10-11:00 (Kaina)
 (3) 7:45- 8:35 (Vasconcellos) (11) 10:10-11:00 (Vasconcellos)
 (4) 7:45- 8:35 (Sharpe) (12) 10:10-11:00 (Sharpe)
 (5) 9:10-10:00 (Beamer) (13) 11:10-12:00 (Beamer)
 (6) 9:10-10:00 (Kaina) (14) 11:10-12:00 (Kaina)
 (7) 9:10-10:00 (Vasconcellos) (15) 11:10-12:00 (Vasconcellos)
 (8) 9:10-10:00 (Sharpe) (16) 11:10-12:00 (Sharpe)
- 154 Tumbling and Rebound Tumbling (1)** **Gustuson**
 Single and combination stunts on tumbling mats and trampoline, balancing stunts; techniques of spotting; safety procedures.
 Daily 11:10-12:00
- 160 Judo (1)** **Kawasaki**
 (2 sections)
 Rules, etiquette, method of falling and breaking the fall, simple throws and their counters, simple holds and breaking of such holds, randori. (Student must provide own gi.)
 Daily (1) 10:10-11:00 (2) 11:10-12:00
- 162 Karate (1)** **Fajardo**
 (3 sections)
 Rules, etiquette, basic stances, blocks, thrusts, kicks, ippon kumite, and selected kata. (Student must provide own gi.)
 Daily (1) 7:45-8:35 (2) 9:10-10:00 (3) 10:10-11:00
- 163 T'ai Chi Ch'uan (1)** **T. Y. Pang**
 (2 sections)
 Analytical and laboratory study of classic forms of T'ai Chi Ch'uan (advanced form of Kung Fu).
 Daily (1) 7:45-8:35 (2) 9:10-10:00
- 190 Modern Health: Personal (1)** **Asato**
 Mental-emotional health, family-living, and scientific health information for personal hygienic living.
 Daily 7:45-8:35
- Courses numbered 201 and above are not open to lower division students.
- 231 Methods and Materials in Health Education (2)** **I. Ryan**
 Organization and content, methods and materials for health teaching in elementary and secondary schools. Pre: 201 or 202.
 Daily 10:10-11:00

- 293 Physical Education: Elementary (3)** **Little**
 (2 sections)
 Content and methods for physical education in elementary school, emphasizing selection, planning, teaching, and evaluation of movement exploration and physical activities.
 Daily (1) 8:45-10:00 (2) 10:10-11:25
- 302 School's Role in Community Health (2)** **I. Ryan**
 Functional interrelationships between school and other community health organizations in solving community health problems. Pre: consent of instructor; 201 or 202 desirable.
 Daily 11:10-12:00
- 454 Physiology in Physical Education (3)** **Bernauer**
 Emphasis on physiological responses to exercise and physical training as related to strength, muscular endurance, and circulo-respiratory endurance. Primarily for physical education majors, but open to others with consent of instructor. Pre: one year of biology or equivalent.
 Daily 8:45-10:00
- 574(2) Assessment of Physical Fitness: Secondary School (3)** **Bernauer**
 Practicum for physical education teachers dealing with current methods and techniques by which physical fitness and related aspects of physical status are assessed. Pre: teaching experience and consent of instructor.
 Daily 10:10-11:25
- 603 Scientific Foundations of Physical Education (3)** **Montoye**
 Scientific laws and principles relevant to man's physical and social environment as related specifically to physical fitness and human movement. Pre: 203, 453, 454, and 463, or consent of instructor.
 Daily 8:05-10:00
 June 16-July 11 (4 weeks)
- 623 Administrative Problems in Physical Education (3)** **Chui**
 Current problems and recent trends in conduct of physical education programs in educational settings. For administrators, teachers, and graduate students in physical education and related fields. Pre: 423 or equivalent and consent of instructor.
 (Identical with Ed EA 623)
 Daily 8:45-10:00

ENGINEERING

Civil Engineering (CE)

- 270 Applied Mechanics I (3)** **Staff**
 Equilibrium of particles, rigid bodies, frames and machines; vectors, centroids, friction and moments of inertia. Pre: Phys 170.
 Daily 8:45-10:00
- 320 Fluid Mechanics I (3)** **Staff**
 Properties of fluids, fluid statics, kinematics and kinetics; principles of momentum and energy; real fluid effects. Pre: 271 or Phys 310.
 Daily 10:10-11:25

Electrical Engineering (EE)

- 200 Electrical Science (3)** **Staff**
 Introduction to electrical science, fields, circuits, and electronics. Pre: Phys 272, Math 231, and concurrent registration in Math 232.
 Hrs. arr.
- 311 Circuit Theory (3)** **Kinariwala**
 Analysis of electrical circuits. Transform methods. Topology. Pre: Phys 272; Math 231.
 June 16–August 8
 Hrs. arr.

General Engineering (GE)

- 61 Graphical Communication (1)** **L. Drake**
 (2 sections)
 Orthographic and pictorial instrument drawing and sketching, dimensioning, auxiliary and section views. Intended for engineering students who have not had one year of high school mechanical drawing.
 Daily (1) 7:45–8:35 (2) 10:10–11:00
- 251 Digital Computer Programming (2)** **L. Drake**
 Introduction to PL/1 language and application to engineering problems using IBM 360. Prerequisite or credit in Math 135 or consent of instructor. Not open to students with previous credit in PL/1.
 Daily 9:10–10:00

Mechanical Engineering (ME)

- 311 Thermodynamics (3)** **J. Chou, Staff**
 Basic laws; work, heat and the concept of entropy; perfect gases, mixtures; availability, irreversibility, and efficiency. Pre: Phys 170.
 Daily (1) 8:45–10:00 (2) 8:45–10:00
- 371 Mechanics of Solids (3)** **D. H. Kihara**
 Analysis of deformable bodies; stresses, strains, and criteria for yielding and fracture; torsion, bending, and buckling. Pre: CE 270(170).
 Daily 10:10–11:25

ENGLISH (Eng)

- 100 Expository Writing (3)** **Staff**
 (12 sections)
 A study of the principal steps in effective exposition—discovering, interpreting, and evaluating data through observation and reading; deciding upon an appropriate organizational plan; choosing a voice and style suitable to the writer's audience and the occasion for writing—accompanied by practice in the analysis of expository pieces by professional writers.
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|----------------------|-----------------|------------------|
| Daily (1) 7:20– 8:35 | (5) 8:45–10:00 | (9) 10:10–11:25 |
| (2) 7:20– 8:35 | (6) 8:45–10:00 | (10) 11:35–12:50 |
| (3) 7:20– 8:35 | (7) 10:10–11:25 | (11) 11:35–12:50 |
| (4) 8:45–10:00 | (8) 10:10–11:25 | (12) 11:35–12:50 |

- 102 Expository Writing (3)** **Staff**
 (8 sections)
 Study and practice of argument and persuasion; assembling and organizing research materials; analysis and evaluation of one or two works of imaginative literature; introduction to study of prose style. Pre: 101 (102 in the Summer Session is not recommended for students who passed 101 with a grade of D, or who have taken 102 previously and received a grade of F).
 Daily (1) 7:20- 8:35 (5) 10:10-11:25
 (2) 7:20- 8:35 (6) 10:10-11:25
 (3) 8:45-10:00 (7) 11:35-12:50
 (4) 8:45-10:00 (8) 11:35-12:50
- 251 Major Works of British and American Literature (3)** **McManus, DeLuca, Fong**
 (3 sections)
 From the Middle Ages to 1800; an introductory course for sophomores.
 Daily (1) 7:20- 8:35 (D. McManus) (2) 8:45-10:00 (D. DeLuca)
 (3) 10:10-11:25 (Fong)
- 252 Major Works of British and American Literature (3)** **Simson, Hogan, Vaughn**
 (3 sections)
 From 1800 to the present; an introductory course for sophomores.
 Daily (1) 8:45-10:10 (G. Simson) (2) 10:10-11:25 (P. Hogan)
 (3) 11:35-12:50 (S. Vaughn)
- 253 World Literature: To the Renaissance (3)** **Okada, Griffing, Canary**
 (3 sections)
 Major works of classical, Oriental, European and English literature.
 Daily (1) 7:20- 8:35 (R. Okada) (2) 8:45-10:00 (A. Griffing)
 (3) 10:10-11:25 (R. Canary)
- 254 World Literature: 1600 to the Present (3)** **Schlieman, Lynch, Summersgill**
 (3 sections)
 Major works of classical, Oriental, European, American and English literature.
 Daily (1) 8:45-10:00 (M. Lynch) (2) 10:10-11:25 (D. Schlieman)
 (3) 11:35-12:50 (T. Summersgill)
- 255 Types of Literature (3)** **Durant, Kowalski, Stevick, Wenska**
 (4 sections)
 Practical criticism in the major genres of European and American literature. Short story, novel, literary essay, introduction to poetry (narrative).
 Daily (1) 7:20- 8:35 (L. Kowalski) (2) 8:45-10:00 (R. Stevick)
 (3) 10:10-11:25 (M. Durant) (4) 11:35-12:50 (W. Wenska)
- 256 Types of Literature (3)** **Breen, Topham, Wunsch, Uda**
 (4 sections)
 Practical criticism in the major genres of European and American literature. Drama, biography, poetry.
 Daily (1) 7:20- 8:35 (N. Breen) (2) 8:45-10:00 (H. Topham)
 (3) 10:10-11:25 (M. Wunsch) (4) 11:35-12:50 (L. Uda)
- 309 Written Communication (3)** **Lichty, McClear, Kennedy, Durant, Friedman**
 (6 sections)
 Practice in informative, analytical, and persuasive writing. Open only to students in Business Administration and Home Economics. Pre: 102 and sophomore literature, or equivalent.
 Daily (1) 7:20- 8:35 (L. Lichty) (2) 7:20- 8:35 (S. McClear)
 (3) 8:45-10:00 (V. Kennedy) (4) 10:10-11:25 (S. McClear)
 (5) 11:35-12:50 (M. Durant) (6) 11:35-12:50 (T. Friedman)

- 315 Advanced Expository Writing (3)** **Feldman, Lichty**
 (2 sections)
 Writing of essays from logical and rhetorical principles, especially modes of definition, assertion, proof. Emphasis on clarity, coherence, style.
 Daily (1) 8:45–10:00 (R. Feldman) (2) 10:10–11:25 (L. Lichty)
- 320 Introduction to Language (3)** **Mohr, Staff**
 (2 sections)
 Examination of modern concepts of structure and use of language, with special reference to the English language.
 Daily (1) 7:20–8:35 (2) 10:10–11:25 (Mohr)
- 331 Introduction to Poetry (3)** **Teevan, Nelson, Sinclair**
 (3 sections)
 Written and oral analysis of imagery, sound, language, form and structure of poems, leading to increased awareness of nature of poetry.
 Daily (1) 7:20– 8:35 (M. Sinclair) (2) 8:45–10:00 (F. Teevan)
 (3) 10:10–11:25 (P. Nelson)
- 335 Backgrounds of World Literature (3)** **Cremer**
 Most important sources of European literary themes and allusions, including the King James Bible and Western European myth and legend.
 Daily 8:45–10:00
- 336 Introduction to Literary Problems (3)** **Sinclair, Fujimura, Simson**
 (3 sections)
 Critical evaluation of the genres of literature, of various modes of analysis, and of problems involved in literary perception.
 Daily (1) 8:45–10:00 (M. Sinclair) (2) 10:10–11:25 (T. Fujimura)
 (3) 11:35–12:50 (G. Simson)
- 401 Modern English Grammar (3)** **Mohr**
 Survey of prestructural, structural, and generative-transformational descriptions of modern English grammar.
 Daily 8:45–10:00
- 402 History of the English Language (3)** **Wellein**
 An introduction to the older stages of English and the processes by which Modern English has evolved from them. The course will consider such topics as: the ancestry of English; the history of English sounds, inflections, and syntax; the development of dialects; the sources of the vocabulary and the changes in meaning and usage the vocabulary has undergone.
 Daily 11:35–12:50
- 431 The English Novel to 1832 (3)**
 Historical and critical study of development of English prose fiction during 18th and early 19th centuries with emphasis on rise of the realistic novel.
 Daily 11:35–12:50
- 433 20th-Century British Novel (3)** **Heine**
 Daily 10:10–11:25
- 445 Shakespeare (3)** **Lowers**
 Shakespeare's plays from the beginning to *Hamlet*.
 Daily 7:20–8:35
- 446 Shakespeare (3)** **Winters**
 Shakespeare's plays from *Hamlet* through the last plays.
 Daily 11:35–12:50

- 453 **16th-Century English Literature (3)** **Lowers**
Poetry and prose of the Tudor period, exclusive of the drama.
Daily 10:10-11:25
- 458 **18th-Century English Literature (3)** **Fong**
Poetry, prose (exclusive of the novel), drama from 1740 to 1780, with emphasis on Johnson and his circle.
Daily 11:35-12:50
- 463 **Victorian Literature (3)** **Buckley**
Poetry and prose exclusive of the novel from 1832-1870.
Daily 8:45-10:00
- 471 **American Literature (3)** **Canary**
A survey of American literature from the beginning to the Civil War.
Daily 7:20-8:35
- 472 **American Literature (3)** **Feldman**
A survey of American literature from the Civil War to the present.
Daily 11:35-12:50
- 476 **20th-Century American Novel (3)** **Levy, Summersgill**
(2 sections)
Development of American novel from 1900 to present.
Daily (1) 8:45-10:00 (T. Summersgill) (2) 10:10-11:25 (A. Levy)
- 479 **Studies in American Literature (3)** **Stillians**
Robert Frost.
Daily 8:45-10:00
- 480 **Literature of the Pacific (3)** **Stillians**
The literature of the Pacific islands and Australasia: narratives of voyages and travels, translations of native folk literature, and short stories and novels by such writers as Melville, Stevenson, London, Becke, Nordhoff and Hall.
Daily 11:35-12:50
- 483 **Modern Dramatic Literature (3)** **Teevan**
European, Ibsen and Chekhov to Shaw, 1880-1920.
Daily 11:35-12:50
- 484 **Modern Dramatic Literature (3)** **Topham**
European and American, O'Casey to Miller, 1920 on.
Daily 11:35-12:50
- 487 **20th-Century British and American Poetry (3)** **Heine**
Daily 7:20-8:35
- 638 **History of Literary Criticism (3)** **Wellein**
Chief theories of modern literary criticism, with readings (in English).
Daily 8:45-10:00
- 660 **Major Authors (3)** **Anderson**
Study of Swift and Pope.
MWF 2:00-4:05
- 735 **Seminar in Comparative Literature (3)** **Anderson**
Introduction to comparative literature; relationship of English to other literatures; sources and influences. Pre: consent of instructor.
MWF 11:35-1:40
- 775 **Seminar in English Literature (3)** **Buckley**
Study of authors or a period. Pre: consent of instructor.
MWF 11:35-1:40

- 73 Intermediate Writing Program for Foreign Students (0) Staff**
 (6 sections)
 Instruction and practice in essay-type writing; gathering, classification, and documentation of facts. Equals 2 credits.
 Daily (1) 7:30-8:20 (2) 10:30-11:20 (3) 11:30-12:20 (4) 11:30-12:20
 (5) 1:30-2:20 (6) 2:30-3:20
- 181 Advanced English Structure for Foreign Students (2) Staff**
 (6 sections)
 Emphasis on control of complex spoken and written syntactical constructions.
 Daily (1) 7:30-8:20 (2) 8:30-9:20 (3) 9:30-10:20 (4) 11:30-12:20
 (5) 12:30-1:20 (6) 1:30-2:20
- 183 Advanced Writing Program for Foreign Students (2) Staff**
 (5 sections)
 Writing of critical reports and term papers; logical analysis, evaluation, and organization of facts.
 Daily (1) 7:30-8:20 (2) 8:30-9:20 (3) 11:30-12:20 (4) 1:30-2:20
 (5) 2:30-3:20

EUROPEAN LANGUAGES (EL)

- 371 The French in the Pacific (3)**
 The French presence in the Pacific, especially Tahiti, in relation to French literature, art, culture, and civilization, with particular attention to the works of Bougainville, Diderot, Voltaire, Pierre Loti, and Paul Gauguin. The course is conducted in English; knowledge of French is not necessary.
 Daily 11:35-12:50

FRENCH (Fr)

- 101 Elementary French (4) Staff**
 (3 sections)
 Intensive course in conversation, grammar, reading, writing. Two classes and two lab sessions required daily.
 Daily (1) 7:45- 8:35; 8:45-10:00 plus laboratory
 (2) 9:10-10:00; 10:10-11:25 plus laboratory
 (3) 10:10-11:00; 11:35-12:50 plus laboratory
- 102 Elementary French (4) Staff**
 Continuation of 101. Two classes and two lab sessions required daily.
 Daily 7:45-8:35; 8:45-10:00 plus laboratory
- 201 Intermediate French (3) Staff**
 (2 sections)
 Intensive course in conversation, grammar review, reading, composition. Pre: 102 or the equivalent. One class and two lab sessions required daily.
 Daily (1) 10:10-11:25 plus laboratory (2) 11:35-12:50 plus laboratory
- 202 Intermediate French (3) Staff**
 Continuation of 201. One class and two lab sessions required daily.
 Daily 7:20-8:35 plus laboratory

- 151 Economic Geography (3)** **R. Preston**
 Systematic study of patterns of economic activities; agriculture, mining and manufacturing, services and consumption. Elements of location theory, transportation and urban geography. Basic aspects of regional economic development and planning.
 Daily 8:45-10:00
- 300 Introduction to Climatology (3)** **J. Nasuti**
 Elements and controls of climate. World patterns of insolation, temperature, evaporation, precipitation and atmospheric circulation. Climatic classifications. Pre: 101.
 Daily 10:10-11:25
- 335 Political Geography (3)** **G. Weigend**
 Geographic background of international politics and national power. Case studies of problem areas and boundary problems.
 Daily 11:35-12:50
- 347 Geography of Europe (3)** **G. Weigend**
 Physical environment and resources; ethnic distributions and patterns of human use and occupation. Analysis of regional groupings and selected individual countries.
 Daily 8:45-10:00
- 352 Geography of Japan (3)** **E. Lott**
 Regional synthesis of the physical and cultural features which characterize the economic, social, and political geography of Japan. Emphasis on the origin of these patterns.
 Daily 7:20-8:35
- 361 Geography of Australia and New Zealand (2)** **J. Langdale**
 Australia and New Zealand in the postwar world. The physical environment and rural industries. Demographic movements, industrialization and urbanization.
 Daily 11:35-12:25
- 365 Geography of the Pacific (3)** **T. Boaz**
 The physical character of the Pacific and its islands and cultural, political and economic geography of Melanesia, Micronesia, and Polynesia (except Hawaii).
 Daily 10:10-11:25
- 399 Directed Reading (arr.)** **Staff**
 Hrs. arr.
- 421 Urban Geography (3)** **R. Preston**
 Location, size, functions, and spatial-economic structure of the modern city. The urban sphere of influence. Problems of urban transportation, changes in land use and urban growth. The role of government in urban development. Pre: 151.
 Daily 11:35-12:50
- 700(1) Seminar: Human Ecology (3)** **R. W. Armstrong**
 Concepts of human ecology and applications to problems of environmental management, with reference to the role of geography.
 Hrs. arr.
- 700(2) Seminar: Contemporary Urban Social Geography (3)** **R. Earickson**
 A systems approach to interrelated urban problems: transportation, ethnic distributions, human movement. Field studies on Oahu.
 Hrs. arr.

GEOSCIENCES (Geosc)

- 799 Directed Reading and Research (arr.)** **Staff**
 Hrs. arr.

GERMAN (Ger)

- 101 Elementary German (4)** **Staff**
 (2 sections)
 Intensive course in conversation, grammar, reading, writing. Two classes and two lab sessions required daily.
 Daily (1) 8:10–9:25; 9:35–10:25 plus laboratory
 (2) 11:10–12:25; 12:35–1:25 plus laboratory
- 102 Elementary German (4)** **Staff**
 Continuation of 101. Two classes and two lab sessions required daily.
 Daily 7:45–8:35; 11:35–12:50 plus laboratory
- 106 German for Reading Proficiency (3)** **Staff**
 Designed to teach the student to read scholarly and technical German. Primarily for graduate students, but open to undergraduates with consent of chairman of department.
 Daily 8:45–10:00
- 201 Intermediate German (3)** **Staff**
 Intensive course in conversation, grammar review, reading, composition. Pre: 102 or the equivalent. Language lab practice required daily.
 Daily 7:20–8:35 plus laboratory
- 202 Intermediate German (3)** **Staff**
 Continuation of 201. Language lab practice required daily.
 Daily 8:45–10:00 plus laboratory

HAWAIIAN (Haw)

- 101 Elementary Hawaiian (3)** **J. Ward, Staff**
 (2 sections)
 Development of listening, speaking, reading, writing. Structural points introduced inductively. Daily laboratory work.
 Daily (1) 1:10–2:25 plus laboratory (2) 1:10–2:25 plus laboratory
- 201 Intermediate Hawaiian (3)** **D. Johnson**
 Continuation of 102. Reading of traditional texts. Daily laboratory work. Pre: 102 or equivalent.
 Daily 1:10–2:25 plus laboratory

HINDI (Hindi)

- 101 Elementary Hindi (3)** **J. Baumer**
 Development of listening, speaking, reading, writing. Structural points introduced inductively. Daily laboratory work.
 Daily 1:10–2:25 plus laboratory

HISTORY (Hist)

- 151 World Civilization (3)** **G. Daws**
 (2 sections)
 A survey of the more significant political, social, economic, and intellectual factors in the development of civilization of the world from the ancient Middle East, Greece and Rome in the West, and the ancient cultures of China, Japan, and India in the East to the 17th century.
 Daily (1) 10:10-11:25 (2) 11:35-12:50
- 152 World Civilization (3)** **G. Daws**
 Continuation of the history of world civilization from the 17th century to the present day.
 Daily 7:20-8:35
- 281 Introduction to American History (3)** **C. Hunter**
 An interpretive survey of United States history from the earliest settlements to 1877.
 Daily 11:35-12:50
- 401 History of South Asia to 1000 A.D. (3)** **J. P. Sharma**
 General historical survey of India, Pakistan, Ceylon from earliest times.
 Daily 10:10-11:25
- 407 East Asia to the Mid-19th Century (3)** **H. Lamley**
 Survey of political, social and economic history of East Asia to the mid-19th century.
 Daily 11:35-12:50
- 409 History of China to 1600 (3)** **D. Kwok**
 Course of Chinese civilization from earliest times.
 Daily 7:20-8:35
- 411 Problems of 19th and 20th Century China (3)** **D. Kwok**
 Selected problems in the history of China's encounter with the West. Readings and discussions.
 Daily 8:45-10:00
- 413 History of Pre-Modern Japan (3)** **V. Morris**
 Historical survey of Japanese culture, government, economics, institutions.
 Daily 7:20-8:35
- 414 History of Modern Japan (3)** **G. Akita**
 Historical survey of Japanese culture, government, economics, institutions. From 1600 to present.
 Daily 10:10-11:25
- 424 History of the Hawaiian Islands (2)** **C. Hunter**
 General course, but with some detail. Emphasis on period of monarchy. Interchangeable credit: Asian, Pacific or American.
 Daily 9:10-10:00
- 448 History of England (3)** **D. Bernstein**
 Major trends in development of English civilization from Henry VIII to Churchill.
 Daily 11:35-12:50
- 449 History of Russia to Mid-19th Century (3)** **R. Wade**
 Survey of development of Russian thought and institutions, and of territorial expansion.
 Daily 8:45-10:00
- 457 Russian Revolution (3)** **R. Wade**
 The causes of the revolution, the revolutionary movements, the February and October revolutions, the civil war.
 Daily 10:10-11:25

- 461 **Colonial America to 1790 (3)** C. Cowing
Transit of European culture to North America, independence, Constitution.
Daily 10:10–11:25
- 463 **Crisis of the Union: U.S. History 1841–1877 (3)** Newby
National expansion, sectional conflict; Civil War and Reconstruction.
Daily 8:45–10:00
- 464 **The Transformation of America: U.S. History 1877–1920 (3)** E. Beechert
Response to industrialism and emergence of U. S. as world power.
Daily 8:45–10:00
- 477 **Economic History of the United States (3)** E. Beechert
Emphasis on role of techniques, agricultural developments, entrepreneur, rise of labor movement. Pre: Econ 150–151 recommended.
Daily 7:20–8:35
- 480 **History of Black Americans (3)** Newby
The achievements of black Americans and their protests against racial repression and discrimination. Exploration of the meaning of Afro-American historical experience in the United States.
Daily 11:35–12:50
- 482 **American Thought and Culture (3)** R. Rapson
Advanced course in American social customs, institutions, intellectual pursuits.
Daily 11:35–12:50
- 491 **History of Africa (3)** B. Obichere
A survey of African history during the 19th and 20th centuries.
Daily 8:45–10:00
- 601 **Seminar in Historical Method (3)** A. Saville
Training in evaluation of sources and preparation of theses.
Hrs. arr.
- 602 **Seminar in Historiography (3)** A. Saville
History of history and historians.
Hrs. arr.
- 631 **Advanced Problems and Reading in American History (3)** R. Rapson
Interpretations and literature of important problems of American history.
Hrs. arr.
- 635 **The Colonial Period in American History (3)** C. Cowing
Reading and research in political, social and intellectual history. Pre: 461 or equivalent.
Hrs. arr.
- 640 **Seminar in American Social and Intellectual History (3)** R. Rapson
Research in history of American thought and culture.
Hrs. arr.
- 654 **Seminar in the History of Mainland Southeast Asia (3)** W. Vella
Studies in histories of peoples and states of Burma, Thailand, Cambodia, Laos and Vietnam.
Hrs. arr.
- 665 **Seminar in Japanese History (3)** V. Morris
Main fields of Japanese historical research; principal sources of bibliographical information; selected problems in modern Japanese history.
Hrs. arr.

- 691 Seminar in African History (3)** **B. Obichere**
 Research on the history of African nationalism.
 Hrs. arr.
- 713 Chinese Historical Literature (2)** **Liu**
 Study of the textual composition of traditional documents from the Book of History to the dynastic histories of the Late Han and the Three Kingdoms. Knowledge of Chinese required.
 Daily 10:10-11:25 June 30-July 25
- 717 Chinese Intellectual History (2)** **Liu**
 Intensive study of Taoist thought from the mid-14th to the mid-17th century, with concentration on interrelationships between Taoist and Neo Confucianist thinkers, the historical background of the times, and the religious aspects of Taoist activities.
 Daily 11:35-12:50 June 30-July 25
- 799 Directed Research (arr.)** **Staff**
 Individual research of topics in special fields. (1) American, (2) Pacific, (3) Japanese, (4) European, (5) English, (6) Chinese, (7) Russian, (8) Hawaiian, (9) South Asian, (10) Southeast Asian, (11) Korean.
 Hrs. arr.

INDONESIAN (Ind)

- 111 Intensive Elementary Indonesian (6)** **Staff**
 Intensive course equivalent to Elementary Indonesian in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required.
 Daily 7:20-10:00; 12:30-2:25 plus laboratory
- 112 Intensive Intermediate Indonesian (6)** **Staff**
 Intensive course equivalent to Intermediate Indonesian in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required.
 Daily 7:45-9:35; 1:10-3:50 plus laboratory

JAPANESE (Jap)

- 101 Elementary Japanese (3)** **Staff**
 (5 sections)
 Development of four skills: listening, speaking, reading, and writing. Structural points introduced inductively. Language lab practice required daily.
 Daily (1) 9:10-11:25 plus laboratory (4) 9:10-11:25 plus laboratory
 (2) 9:10-11:25 plus laboratory (5) 9:10-11:25 plus laboratory
 (3) 9:10-11:25 plus laboratory
- 111 Intensive Elementary Japanese (6)** **Staff**
 (2 sections)
 Intensive course equivalent to Elementary Japanese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor.
 Daily (1) 7:45-10:00; 12:35-3:25 plus laboratory
 (2) 7:45-10:00; 12:35-3:25 plus laboratory

- 201 Intermediate Japanese (4)** **Staff**
 (3 sections)
 Continuation of 101–102. Language lab practice required daily.
 Daily (1) 10:10–12:25 plus laboratory (3) 10:10–12:25 plus laboratory
 (2) 10:10–12:25 plus laboratory
- 301 Third-Level Japanese (3)** **Staff**
 (2 sections)
 Study of modern spoken and written Japanese involving advanced structures, expressions, patterns, *kyooiku kanji*. Pre: 202 or equivalent.
 Daily (1) 11:35–12:50 plus laboratory (2) 11:35–12:50 plus laboratory
- 303 Accelerated Third-Level Japanese (6)** **Staff**
 Study of modern spoken and written Japanese involving advanced structures, expressions, patterns, *kyooiku kanji*. In one session, content of 301–302 covered. Pre: 204 or equivalent.
 Daily 10:10–11:25; 11:35–12:50 plus laboratory
- 362 Japanese Literature in Translation—Modern (3)** **V. Viglielmo**
 Historical survey from 1868 to present, with emphasis on analysis. Knowledge of Japanese not required. Pre: two semesters of literature in English department.
 Daily 1:10–2:25
- 401 Fourth-Level Japanese (3)** **Staff**
 Study of modern spoken and written Japanese involving complicated structures, expressions, patterns, *tooyoo kanji*. Pre: 302 or equivalent.
 Daily 11:35–12:50 plus laboratory
- 451 Structure of Japanese (3)** **B. Hoffer**
 Phonology, morphology, syntax of modern colloquial grammar. Pre: 202 or equivalent.
 Daily 2:35–3:50

JOURNALISM (Journ)

- 150 The Press and Society (3)** **J. Richstad**
 Analysis and evaluation of American journalism as shaped by historical, legal, economic, social forces; comparison/contrast with the world press.
 Daily 10:10–11:25

KOREAN (Kor)

- 111 Intensive Elementary Korean (6)** **D. J. Lee**
 Intensive course equivalent to Elementary Korean in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required.
 Daily 7:45–10:00; 1:10–3:50 plus laboratory

LATIN (Latin)

- 202 Intermediate Latin (3)**
 Review of grammar, reading of selections from prose and poetry. Pre: 102 or equivalent.
 Daily 11:35–12:50

LIBRARY STUDIES (LS)

All library studies courses meet twice each day in a morning and afternoon session. Registration in library studies courses requires the approval of the Dean of the Graduate School of Library Studies. Classes will meet on Registration Day.

- 601 Bibliography and Reference Sources (3)** **N. Horrocks**
 Analysis of the means by which availability and content of graphic materials are recorded; characteristics and problems of national and subject bibliography, and function of the librarian as bibliographer. Introduction to materials and methods for locating information in general reference sets, specific fact sources, periodical indexes, abstract series; analytical and searching procedures for simple inquiries.
 Daily 7:45-9:00; 1:00-2:15 June 16-July 4
- 602 Advanced Reference Sources (3)** **N. Horrocks**
 Pre: 601 Bibliography and Reference Sources. Continued discussion of various types of general reference tools. Introduction to the subject approach in reference work through the three major areas: sciences, social sciences, and humanities. Each area analyzed in terms of the characteristics of the literature and of the typical problems and methods of reference work; major works in each area studied as examples.
 Daily 7:45-9:00; 1:00-2:15 July 7-25
- 605 Basic Cataloging and Classification (3)** **D. McAlister**
 Designed as an introduction to cataloging in the research or large general library and as a terminal course in cataloging for the school or small popular library. Covers principles and practice of descriptive cataloging structure and application of the Dewey Decimal Classification and Sears' List of Subject Headings, and the use of printed cards.
 Daily 9:15-10:30; 2:30-3:45 June 16-July 4
- 610 Social Functions of Libraries (3)** **M. Andrews**
 Introduction to librarianship. The four aspects of the course include: librarianship as a profession, the history of books and libraries, a survey of current programs and trends in American libraries, and international aspects of librarianship.
 Daily 7:45-9:00; 1:00-2:15 July 7-25
- 615 Building Library Collections (3)** **G. Droste**
 Pre: 601 Bibliography and Reference Sources. Criteria for evaluating and selecting library materials, devising and maintaining an acquisition program, and structure of the book trade. Findings of studies of library use are drawn upon where applicable.
 Daily 10:45-12:00; 4:00-5:15 June 16-July 4
- 650 Administration of Libraries (3)** **J. Hunt**
 Organization and human factors which make for effective library service. Covers governmental relations, policy making, structure of jobs and departments, communication and co-ordination, staffing, financing, and housing. Case studies used for instructional purposes.
 Daily 9:15-10:30; 2:30-3:45 July 7-25
- 665 Special Libraries (3)** **E. Ferguson**
 A survey of the major types of special libraries with emphasis on the purpose, organization, physical facilities, collections and services of special libraries in business, government, and professional associations.
 Daily 7:45-9:00; 1:00-2:15 June 16-July 4
- 678 Reader Services (3)** **E. Schofield**
 Introduction to major forms of library services to the reader as developed in libraries of all types. Emphasis on study of the community served as a basis for the program

of reader services. Wide reading, class lectures and discussion, student projects, and an opportunity to observe services provided in public, school, college, and special libraries in the area.

Daily 9:15-10:30; 2:30-3:45 July 7-25

681 Reading Materials for Children (3)

R. DeAngelo

Historical background of children's literature. Selection aids, criteria for evaluating, and evaluation of contemporary children's books and recordings on basis of development needs of children through the sixth grade. Opportunity to develop skills in storytelling.

Daily 10:45-12:00; 4:00-5:15 July 7-25

682 Reading Materials for Youth (3)

I. Hormann

Evaluation of books and magazines for young people of junior and senior high school age; book selection tools and criteria for judging. Developmental needs of young people with attention to materials for exceptional readers. Methods of stimulating reading such as book lists and book talks.

Daily 9:15-10:30; 2:30-3:45 June 16-July 4

701 Administration of Libraries in Asia (3)

G. R. Nunn

Governmental and fiscal policies and programs, personnel administration, policy making, buildings and equipment for libraries in Asian countries.

Daily 10:45-12:00; 4:00-5:15 July 7-25

705 Asian Reference Sources (3)

G. R. Nunn

Bibliographical and reference tools and services in Asian countries with special attention to source materials in other than Western languages.

Daily 10:45-12:00; 4:00-5:15 June 16-July 4

LINGUISTICS (Ling)

102 Introduction to the Study of Language (3)

A. Lyovin

Nature and workings of language; its role in culture and history.

Daily 8:45-10:00

320 General Linguistics (3)

J. H. Ward

Approaches, concepts, component areas of linguistics; its development as a science.

Daily 10:10-11:25

699 Directed Research (arr.)

Pre: graduate standing; consent of instructor.

Hrs. arr.

750 Seminar (3)

T. H. Roberts

Reporting and discussion of current research in linguistics. Pre: consent of instructor. May be repeated.

Daily 10:10-11:25

MATHEMATICS (Math)

100 Survey of Mathematics (3)

Y. Ikeda, A. Mader

(4 sections)

To acquaint the non-specialist with the position of mathematics in modern culture. Open to freshmen and sophomores who have not earned credit in 134 or above.

Daily (1) 7:20- 8:35 (Ikeda)

(3) 10:10-11:25

(2) 8:45-10:00 (Mader)

(4) 11:35-12:50 (Ikeda)

- 111 Introduction to Mathematics (3)** **S. Uyemura, N. Whitman**
 (3 sections)
 Study of structure and concepts of arithmetic. Primarily for Education majors.
 Daily (1) 7:20-8:35 (Uyemura)
 (2) 7:20-8:35 (Whitman)
 (3) 8:45-10:00 (Uyemura)
- 201 Finite Mathematics (3)** **E. Bertram**
 (2 sections)
 Algebra of sets, elementary probability theory, vectors and matrices, linear programming, theory of games. Pre: 134 or equivalent.
 Daily (1) 7:20-8:35 (2) 10:10-11:25
- 232 Ordinary Differential Equations (3)** **C. Weinbaum**
 First order equations; linear equations with constant coefficients; systems of equations, Laplace transforms; applications. Pre: 231.
 Daily 10:10-11:25
- 471 Probability (3)** **R. Yeh**
 Probability spaces, random variables, special distributions, mathematical expectations, moments and characteristics functions. Pre: 232.
 Daily 8:45-10:00

Ten Weeks, June 16-August 22

- 134 Pre-Calculus (4)** **M. Fraser, J. Johnson, J. Siu**
 (5 sections)
 Algebraic operations as applied to elementary functions and equations; graphs, trigonometric functions; lines and conics. Pre: two years of high school algebra and one year of plane geometry or consent of department.
 MWF (1) 7:20- 8:35 (Fraser) Lab (1) T 7:20- 8:35 (Fraser)
 (2) 8:45-10:00 (Fraser) (2) T 8:45-10:00 (Fraser)
 (3) 8:45-10:00 (Johnson) (3) Th 8:45-10:00 (Johnson)
 (4) 10:10-11:25 (Johnson) (4) Th 10:10-11:25 (Johnson)
 (5) 11:35-12:50 (Siu) (5) T 11:35-12:50 (Siu)
- 205 Calculus I (4)** **J. Williamson, W. Stout**
 (3 sections)
 Basic concepts; techniques of differentiation; integration of algebraic and trigonometric functions with applications. Pre: 134 or equivalent.
 MWF (1) 7:20- 8:35 (Williamson) Lab (1) Th 7:20- 8:35 (Williamson)
 (2) 10:00-11:25 (Stout) (2) T 10:10-11:25 (Stout)
 (3) 11:35-12:50 (Williamson) (3) Th 11:35-12:50 (Williamson)
- 206 Calculus II (4)** **R. Clark**
 (2 sections)
 Exponential, logarithmic and hyperbolic functions; techniques of integration; elements of three dimensional analytic geometry; multiple integration, infinite series; partial differentiation. Pre: 205 or equivalent.
 MWF (1) 7:20- 8:35 (Clark) Lab (1) T 7:20- 8:35 (Clark)
 (2) 8:45-10:00 (Clark) (2) T 8:45-10:00 (Clark)
- 231 Multi-Variable Calculus (3)** **E. Manes**
 (2 sections)
 Vector-oriented study of functions of several variables; elements of linear algebra, line and surface integrals, divergence and curl. Pre: 206.
 MWF (1) 10:10-11:25 (2) 11:35-12:50

- 311 Linear Algebra (3)** **A. Mader**
 Algebra of matrices, linear equations, real vector spaces and transformations. Pre: 231.
 MWF 10:10–11:25
- 412 Abstract Algebra (3)** **W. Stout**
 Introduction to basic algebraic structures including groups, rings, and fields. Pre: 311.
 MWF 11:35–12:50

MEDICAL TECHNOLOGY (MT)

- 466 Internship (4)** **L. Wulff**
 Internship in affiliated hospital. Pre: three years of prescribed courses and at least one semester on U.H. campus.
 Hrs. arr.

MICROBIOLOGY (Micro)

- 130 General Bacteriology (3)** **J. Hall**
 Microorganisms as they affect people and their possessions. Not open to those who have credit in 351.
 Daily 10:10–11:25
- 632 Advanced Microbial Physiology (3)** **A. Marr**
 Selected topics. Pre: 431 or consent of instructor.
 Daily 8:45–10:00
- 699 Directed Research**
 Selected problems in microbiology. Pre: consent of instructor.
 Hrs. arr.
- 800 Thesis Research**
 Pre: consent of instructor.
 Hrs. arr.

MUSIC (Mus)

- 140 Recreational Music (2)** **F. Uchima**
 Elementary music skills including instruction on ukulele. For recreation majors but open to others.
 Daily 9:10–10:00
- 160 Introduction to Music Literature (3)** **R. Vaught**
 (2 sections)
 Elements, styles and forms of music, from listener's point of view.
 Daily (1) 7:20–8:35 (2) 8:45–10:00
- 170 Music in World Culture (3)** **R. Trimillos**
 Role of music in societies—ancient and modern, sophisticated and non-sophisticated, Western and non-Western, child and adult. Representative styles and regional characteristics.
 Daily 10:10–11:25

- 180 Fundamentals of Western Music (3)** **R. McKay**
 Fundamental concepts in organization of music as expressive medium in Western Culture. Roles of composer, performer and listener. Notation as mode of communication. Discovery and verification of ideas through laboratory of experience.
 Daily 11:35-12:50
- 364 Topics in Contemporary Music (2)** **I. Dahl**
 Study of special problems in contemporary music literature. May emphasize specific composers, forms, material or media. May be repeated. Pre: 160 or 180 or 181.
 Daily 10:10-11:00
- 401(82) Ensemble: Contemporary (1)** **P. Corragio**
 Hrs. arr.
- 401(93) Ensemble: Chinese Dance (1)** **S. Delza**
 Daily 9:10-10:00
- 401(98) Ensemble: Oceanic (1)** **A. Kaepler**
 Daily 7:45-8:35
- 402 University Concert Choir (1)** **A. Russell**
 Performance of a cappella literature and major choral works. May be repeated for credit.
 Daily 10:10-11:00
- 409 University Concert Band (1)** **F. Uchima**
 Performance of major band literature including works by contemporary composers. Pre: audition or consent of instructor.
 Daily 11:35-12:25
- 456 Institute on Asian Music in Music Education (3)** **C. Wolz, R. Trimillos**
 Study and performance of music and dances of Asia, including China, Japan, Korea, Okinawa, and the Philippines. Development of curriculum materials for teachers of grades 1-6. Pre: 252 or 253 or teaching experience. Guest lecturers and instructors.
 Daily 7:20-10:00 July 8-25
- 464 Twentieth Century Music (2)** **N. McKay**
 Study of major styles and composers from Debussy to present. Pre: 160 or 181, or consent of instructor.
 Daily 9:10-10:00
- 497 Symposium in Music Composition (2)** **I. Dahl**
 Original composition with discussions of specific approaches to creative writing. Pre: one year of undergraduate composition at the junior or senior level; 487-488.
 Daily 1:35-2:25
- 519 Music for Elementary Teachers (3)** **A. Schwadron**
 Music fundamentals; basic music skills and theory with emphasis on reading music. Sight singing, ear training through melodic and rhythmic dictation, creative activities, analysis of simple song forms, study of basic harmony with direct application to classroom instruments.
 Daily 10:10-11:25
- 651 Foundations in Music Education (2)** **A. Schwadron**
 Discovery and organization of broad problems in music education. Relating basic concepts of music in elementary and secondary schools to total curriculum. Pre: teaching experience.
 Daily 11:35-12:25

Applied Music

- 121 Class Voice (1)** **R. Vine**
 Class instruction in voice. Practice facilities in Music Building. Course fee \$25.
 Hrs. arr.
- 125 Elementary Piano Class (1)** **D. Ah Chan**
 Basic principles of piano performance. Relevant problems in piano literature at elementary level.
 Daily 9:10-10:00
- 127(79) Asian Instruments Class: Koto (1)** **K. Mikami**
 Hrs. arr.
 Course fee \$25.
- 131, 231 Individual Instruction (1)**
 For non-music or music majors. May be repeated. Course fee \$55.
 Hrs. arr.
 (11) Voice, (21) Piano, (42) Oboe, (43) Clarinet, (44) Bassoon, (45) Saxophone, (71) Koto, (72) Shamisen, (79) Hawaiian Chant, (91) Japanese Dance, (94) Korean Dance, (95) Okinawan Dance, (96) Philippine Dance
- 431 Individual Instruction (1)**
 Voice, piano, dance, orchestral or Asian instruments. Non-music majors or majors at junior-senior level. May be repeated for credit. Course fee \$55.
 Hrs. arr.
 (11) Voice, (21) Piano, (42) Oboe, (43) Clarinet, (44) Bassoon, (45) Saxophone, (71) Koto, (72) Shamisen, (79) Hawaiian Chant, (91) Japanese Dance, (94) Korean Dance, (95) Okinawan Dance, (96) Philippine Dance

NURSING (Nurs)

- 425 Nursing Leadership I (6)** **Cockrill, Fancher, Briggs**
 Study of the theoretical concepts basic to planning, organizing, implementing, and evaluating nursing care of individual and groups of patients and for understanding the role of the professional nurse on the nursing and health teams. Pre: 415-416 and a statistics course or consent of instructor.
 MWF 1:30-3:25 plus daily lab 7:20-12:00

OCEANOGRAPHY (Ocean)

- 201 Science of the Sea (3)** **K. Roy**
 Introduction to biological, geological, chemical, and physical aspects of oceanography. Based on classroom lectures and use of oceanographic equipment and techniques at sea aboard ship and in nearshore zone.
 MTThF 10:10-11:25; Sat. 8:00-5:00 field expedition
- 699 Directed Research (arr.)**
 Pre: consent of instructor.
 Hrs. arr.
- 800 Thesis Research (arr.)**
 Pre: consent of adviser.
 Hrs. arr.

PHILOSOPHY (Phil)

- 100 Introduction to Philosophy (3)** McCarthy
 Problems, methods, fields of philosophy.
 Daily 7:20-8:35
- 200 History of Philosophy I (3)** Borgmann
 Western philosophy from era of great Greek thinkers to Renaissance.
 Daily 10:10-11:25
- 210 Introduction to Logic (3)** Winnie
 Principles of modern deductive logic.
 Daily 11:35-12:50
- 306 Continental Rationalism (3)** Perelman
 Epistemological, metaphysical, ethical problems in Continental Rationalism. Particular attention to Descartes and Spinoza.
 Daily 11:35-12:50
- 310 Twentieth Century Philosophy (3)** Aiken
 Survey of recent developments in Western philosophy.
 Daily 10:10-11:25
- 417 Theory of Knowledge (3)** Winnie
 An examination of major historical and contemporary approaches to the theory of knowledge. The problems to be considered will include: truth and error, scepticism, the problem of induction, the possibility of *a priori* knowledge, the analytic-synthetic distinction, meaning and verification, perception, and other minds.
 Daily 8:45-10:00
- 425 Philosophy in Literature (3)** McCarthy
 Literary expression of philosophical ideas. Consideration of such writers as Beckett, Camus, Hemingway, Kafka, Rilke, Sartre, T. S. Eliot.
 Daily 10:10-11:25
- 450 Indian Philosophy (3)** Upadhyaya
 Philosophical systems and movements: Vedas, Upanishads, six systems of Hinduism, Charvaka, Jainism, Buddhism.
 Daily 8:45-10:00
- 460 Buddhist Philosophy (3)** Inada
 Survey of basic schools and tenets of Buddhist philosophy.
 Daily 10:10-11:25
- 470 Chinese Philosophy (3)** Cheng
 Historical survey of important philosophical schools and tendencies in China, ancient and modern.
 Daily 7:20-8:35
- 656 Indian Social Philosophy (3)** Saksena
 Basic codes of Indian moral and social philosophy (Dharma-sastras) and their historical developments and practical significance. Pre: 450; consent of instructor.
 Daily 10:10-11:25
- 662 Zen (Ch'an) Philosophy (3)** Chang
 Origin and development of Zen; influence on Oriental cultural traditions and contemporary scene. Pre: 460; consent of instructor.
 Daily 11:35-12:50
- 700 Individual Western Philosophers (3)** Borgmann
 (Heidegger)
 Pre: graduate standing; consent of instructor.
 Daily 8:45-10:00

- 770 Seminar in Chinese Philosophy (3)** **T'ang**
 Pre: 470; graduate standing; consent of instructor.
 TTh 12:30-3:30
- 780 Seminar in Comparative Philosophy (3)** **Staff**
 Pre: graduate standing; consent of instructor.
 MF 1:35-4:35

PHOTOGRAPHY (Photo)

- 100 Principles of Photography (2)** **F. Haar**
 Designed primarily for those with very little photography experience. History and science of photography. Construction and use of camera; image formations; lenses, 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 required to have their own cameras.
 MWF 1:00-2:15
- 200 Experimental Photography (2)** **F. Haar**
 Photography for advanced students. Camera as a tool of expression, photoesthetism, perception, selection, composition; objective and subjective factors in forming image; experimental photography with lines, forms, tones, volumes, textures, and colors; experiments with light, without camera, photogram, specializations; photojournalism; illustration; advertising, industrial, scientific, touristic photography; portraiture. Darkroom laboratory.
 TTh 1:00-3:00

PHYSICS (Phys)

- 100 Survey of Physics (3)** **R. Wolff**
 Introduction to physics; basic concepts. Not open to those with previous college physics or experience beyond Math 134.
 Daily 7:20-8:35
- 110 Astronomy (3)** **S. Wolff**
 Survey of nature of astronomical universe, with much emphasis on scientific method and development of scientific thought. Pre: high school trigonometry.
 Daily 11:35-12:50
- 161 College Physics (4)** **C. Hayes**
 Fundamental principles, theories, experimental methods. Pre: Math 102 and credit or registration in Math 103.
 Daily 10:10-11:25 Lab TTh 1:10-4:00
- 170 General Physics I (4)** **Staff**
 Mechanics of particles, rigid bodies, fluids; properties of matter; wave motion, sound. Pre: credit or registration in Math 136.
 Daily 8:45-10:25
- 171 General Physics Lab I (1)** **Staff**
 Experiments in statics, dynamics, properties of matter, periodic motion, sound. Pre: credit or registration in 170.
 MW 1:10-4:00
- 272 General Physics II (3)** **C. Hayes**
 Fundamental laws of electricity and magnetism and their applications. Pre: 170, 171; credit or registration in Math 231.
 Daily 8:45-10:00

- 273 General Physics Lab II (1)** **Staff**
 Experiments in heat, electricity, and magnetism. Pre: credit or registration in 272.
 MW 1:10-4:00
- 274 General Physics III (4)** **J. Holmes**
 Heat, light, and modern physics. Pre: 272 and 273, or 161; credit or registration
 in Math 231.
 Daily 8:45-10:25
- 799 Directed Research (arr.)** **Staff**
 Hrs. arr.

PHYSIOLOGY (Physl)

- 699 Directed Research (arr.)** **Staff**
 Hrs. arr.
- 800 Thesis Research (arr.)** **Staff**
 Hrs. arr.

POLITICAL SCIENCE (PolSc)

- 110 Introduction to Politics (3)** **H. Kariel**
 A study of the present predicaments of politics and the efforts to cope with them
 through competing ideologies, governmental institutions, and political science.
 Daily 8:45-10:00
- 210 American Government Core (3)** **D. Tabb**
 Politics will be analyzed as a system of activities for the purpose of determining the
 manners in which the will of the people is reflected in authoritative decisions.
 Daily 10:10-11:25
- 300 Contemporary Political Thought (3)** **H. Kariel**
 A critical discussion of current ideologies in the light of contemporary political ex-
 perience.
 Daily 10:10-11:25
- 301 Political Thought Core (3)** **D. Tabb**
 This course will be concerned with the problem of linkages between mass and elite
 behavior in a democratic society.
 Daily 8:45-10:00
- 320 The Study of International Relations (3)** **R. Pendley**
 This course will focus on the major theoretical efforts which have been offered to
 understand, and control, the most significant problems in international relations:
 especially war and peace. Emphasis will be given to the formulation of empirically
 testable hypotheses drawn from the conceptual theories, and relating the hypotheses
 to actual observations.
 Daily 11:35-12:50
- 330 Theories of Political Behavior (3)** **I. Rohter**
 Role of social and personality factors in politics: examination of research on voting,
 ideology, participation, public opinion, considering alternative theories, with an
 emphasis on developing testable models of political behavior.
 Daily 1:10-2:25

- 341 Comparative Government and Politics (3)** **R. Stauffer**
 Application of the comparative method in the study of the processes of political development and nation-building; empirical data will be largely drawn from Asia.
 Daily 10:10–11:25
- 345 Government and Politics of South and Southeast Asia (3)** **R. Stauffer**
 Analysis of changing political processes and institutions in the nations of South and Southeast Asia.
 Daily 7:20–8:35
- 600 Political Inquiry (3)** **I. Rohter**
 Analytical problems of political inquiry, explanation, and theorizing; the state of the discipline, logics of explanation, theories, concepts, models, the relationship between fact and value, alternative orientations.
 Daily 11:35–12:50
- 602 Research Practicum (3)** **R. Pendley**
 Probability; sampling, hypothesis testing; cross-tabulation and association; covariance; statistical decision-making; linear regression and correlation; analysis of variance; multiple correlation and regression.
 Daily 10:10–11:25

PSYCHOLOGY (Psy)

Psychology 100 or 111 or the equivalent is prerequisite to all other psychology courses listed below.

- 100 Survey of Psychology (3)** **R. H. Pool, K. A. Minke**
 Principles of human behavior. Individual differences, motivation, emotion, perception, learning, etc.
 Daily (1) 7:20–8:35 (Pool) (2) 8:45–10:00 (Minke)
- 110 Psychology of Adjustment (3)** **J. J. Blaylock**
 Understanding and improving adjustment: Needs, frustrations, conflicts, anxiety, patterns of adjustment. Concepts of mental health. Not open to majors.
 Daily 7:20–8:35
- 113 Statistical Techniques (3)** **L. E. Bourne**
 Frequency distributions; graphic methods, central tendency; variability; correlation; reliability; tests of significance. Pre: two years of high school algebra or equivalent; 100 or 111.
 Daily 7:20–8:35
- 214 Learning and Motivation (3)** **J. G. Carlson**
 Major conditions influencing learning and forgetting; the role of practice, reward, motivation, drive and emotion; theoretical interpretations of learning and motivation. Pre: 100 or 111, & 112.
 Daily 10:10–11:25
- 215 Sensory Processes (3)** **H. Groth**
 Psychophysics; vision, audition, taste, smell. Pre: 100 or 111, & 112.
 Daily 8:45–10:00
- 317 Physiological Psychology (3)** **R. S. Feldman**
 Psychological basis of vision, audition, motivation, emotion, learning. Pre: 111, 112.
 Daily 11:35–12:50

- 320 Developmental Psychology (3)** **G. Tanabe**
 Emotional mental, physical, social development from infancy to adulthood; interests and abilities at different age levels. Pre: 100 or 111.
 Daily 7:20-8:35
- 321 Psychology of Personality (3)** **D. L. Watson**
 Scientific study of personality, its meaning, assessment, development, relation to cultural-social determinants. Pre: 100 or 111.
 Daily 10:10-11:25
- 322 Social Psychology (3)** **R. H. Pool**
 Interpersonal relations; social attitudes; group dynamics; intergroup relations; class and cultural influences. Pre: 100 or 111.
 Daily 8:45-10:00
- 424 Abnormal Psychology (3)** **G. W. Albee**
 Nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; psychotherapy. Pre: 100 or 111.
 Daily 11:35-12:50
- 428 Social Development of Children (3)** **Staff**
 Survey of the socialization process and acquisition of social behavior. Pre: 320.
 Daily 10:10-11:25
- 430 Complex Human Learning (3)** **K. A. Minke**
 Extension of principles of learning (theory and research) to significant functional human behavior. Principles and methods of experimental psychology of learning, and findings of behavioral sciences, used to constitute a general conception of human behavior basic to various areas of study. Pre: 100 or 111.
 Daily 11:35-12:50
- 435 Psychology of the Unconscious (3)** **D. W. MacKinnon**
 Nature and role of unconscious psychological processes in behavior.
 Daily 8:45-10:00
- 665 Cross-Cultural Psychology (3)** **A. Marsalla**
 Theories of psychology and their application to cross-cultural phenomena; assessment of cross-cultural processes and social motivation; culture and personality; evaluation and design of cross-cultural research.
 Daily 10:10-11:25
- 676 Behavior Assessment (3)** **P. B. Koons**
 Principles and methods of assessing behavior, such as direct observation, interviewing, psychological examination. Pre: 675 or consent of instructor.
 Daily 7:20-8:35
- 700(4) Seminar: Experimental (3)** **L. E. Bourne**
 Problems in experimental psychology.
 Daily 10:10-11:25
- 700(5) Seminar: Physiological (3)** **R. S. Feldman**
 Current research in psychopharmacology and neuro-psychopharmacology.
 Daily 7:20-8:35
- 700(6) Seminar: Personality (3)** **D. W. MacKinnon**
 Psychology of creativity.
 Daily 11:35-12:50
- 700(10) Seminar: Clinical (3)** **G. W. Albee**
 Professional and ethical issues.
 Daily 8:45-10:00

PUBLIC HEALTH (PH)

- 765 Advanced Seminar in Special Public Health Education Problem (2)** **J. Grossman**
 Current research implications for educational activity in newly emerging fields of public health interest, e.g., family planning, community mental health, accidental injury prevention, home care. Content varies with student needs and interests and availability of literature. May be repeated for credit. Pre: consent of instructor. Hrs. arr.
- 791 Advanced Public Health Practice (3)** **Staff**
 Open only to public health degree candidates. Hrs. arr.
- 792 Seminar in Public Health (arr.)** **Staff**
 Advanced seminar in selected public health topics. Pre: consent of instructor. Hrs. arr.
- 799 Directed Reading/Research (arr.)** **Staff**
 Pre: consent of instructor. Hrs. arr.
- 800 Thesis Research (arr.)**
 Pre: consent of instructor.

RELIGION (Rel)

- 150 Introduction to the World's Religion (3)** **R. Bobilin**
 Introduction to world's living religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Christianity, Islam. Daily 1:10–2:25
- 151 Religion and the Meaning of Existence (3)** **F. Seifert**
 Introduction to basic ideas and issues of contemporary religious thought as related to the question "What is the meaning of existence?" Daily 7:20–8:35
- 201 Understanding the New Testament (3)** **F. Seifert**
 Origin and development of early Christian message as set forth in the New Testament, with special attention to Jesus and Paul. Daily 10:10–11:25
- 484 Asian Religions and Social Change (3)** **R. Bobilin**
 Study of the interrelationship of society, and religion in Asia. Emphasis on roles of traditional elites, heterodox religious movements, effects of modernization and secularization and religious organization, socio-religious movements in the developing countries. Daily 8:45–10:00

RUSSIAN (Rus)

- 101 Elementary Russian (4)** **Staff**
 Intensive course in conversation, grammar, reading, writing. Language lab practice required daily. Daily 7:20–8:35; 9:10–10:00 plus laboratory
- 201 Intermediate Russian (3)** **Staff**
 Intensive course in conversation, grammar review, reading, composition. Pre: 102 or equivalent. Language lab practice required daily. Daily 10:10–11:25 plus laboratory

SANSKRIT (Sansk)

- 461 Readings in Sanskrit Classical Literature (3)** **Jagannath**
Continuation of 352. Reading of classical texts with grammar review. Pre: 352 or equivalent.
Daily 2:35-3:50

SOCIAL SCIENCES (SocSc)

- 301 Man in Society (3)** **F. W. Matson**
Some basic problems and processes of contemporary society, jointly examined by several social sciences.
Daily 10:10-11:25

SOCIOLOGY (Soc)

Sociology 151 and 201 are equivalent introductory courses. 201 is specifically set up for juniors, seniors, or graduate students. Either course is a prerequisite to all advanced sociology courses.

- 151 Introduction to the Study of Society (3)** **O. Larsen**
Basic social relationships, norms, social structures, processes affecting social change. Not open to juniors or seniors.
Daily 10:10-11:25
- 201 Principles of Sociology (3)** **F. Wegner**
Principles underlying organization of social groups, communities, institutions, and ecological structures; basic processes of socialization, collective behavior, and social change. Equivalent to 151, and open to juniors, seniors, and graduates only.
Daily 8:45-10:00
- 350 Social Disorganization (3)** **G. Kassebaum**
Factors in community, institution, group disorganization; behavioral deviancy and social pathology, integrated approach to social problems.
Daily 7:20-8:35
- 355 Criminology (3)** **G. Kassebaum**
Crimes and criminals; causative theories of criminality; institutional problems of apprehension, prosecution, incarceration, correction, rehabilitation.
Daily 10:10-11:25
- 360 Personality and Culture (3)** **J. Kinch**
Origin and development of personality as subjective aspect of culture; function of communication; human nature and the mores; personal life organization.
Daily 11:35-12:50
- 370 Social Change (3)** **T. Wittermans**
Structural-functional organization. Impact of technology on institutions, value orientation, power structures, systems of roles and stratification.
Daily 7:20-8:35
- 399 Directed Reading (arr.)**
Limited to senior majors with 2.7 grade-point ratio, or 3.0 grade-point ratio in sociology.
Hrs. arr.
- 426 People and Institutions of Japan (3)** **T. Ishida**
Social structure and social change in contemporary Japan. Special attention to family, stratification, mobility.
Daily 8:45-10:00

- 441 The Family (3)** **H. Ball**
Culturally distinctive family types as background for analysis and interpretation of the American family.
Daily 11:35–12:50
- 443 Sociology of Religion (2)** **T. Wittermans**
Structure, function, dynamics of religion in various types of society.
Daily 9:10–10:00
- 445 Sociology of Education (3)** **T. Ishida**
Institutionalization of socialization and allocation processes. Transmission of cultural styles and values; social organization of classrooms, schools, school systems and their intersection with other social institutions; careers of students and teachers.
Daily 11:35–12:50
- 449 Social Stratification (3)** **F. Wegner**
Analysis of social class; local and national stratification patterns; social mobility in industrial and non-industrial societies.
Daily 10:10–11:25
- 450 Race and Culture Contacts in Hawaii (3)** **G. Yamamoto**
Dominant conceptions of race and race relations; analysis of factors affecting them. Problems in a commercial and plantation frontier.
Daily 8:45–10:00
- 465 Sociology of Small Groups (3)** **J. Kinch**
Practical application of theories and research findings involving face-to-face relations; leadership, prestige, group morale.
Daily 8:45–10:00
- 470 Collective Behavior and Social Movements (3)** **J. Short**
Elementary forms of collective behavior; crowds, publics, mass behavior; social movements, their development and relation to social change, with special emphasis on the sociology of violence.
Daily 11:35–12:50
- 491 Sociological Theory (3)** **H. Ball**
History of sociology as reflected in writings from early Greek thought to modern authors such as Durkheim, Pareto, Simmel, Parsons, Merton.
MWF 1:10–3:15
- 730(1) Seminar in Social Disorganization (3)** **J. Short**
Theory and research in social disorganization; institutionalization of criminals and juvenile delinquents. (1) Deviant behavior, (2) juvenile delinquency and criminal behavior, (3) penology. Pre: consent of instructor.
MW 1:00–4:10
- 741 Seminar in Culture and Communication (3)** **O. Larsen**
Theories of communication; interaction between oral traditions, the press and audio-visual mass media in cultural context. Pre: consent of instructor.
TTh 1:00–4:10
- 799 Directed Research (arr.)**
Pre: graduate standing; consent of instructor.
Hrs. arr.

SPANISH (Span)**101 Elementary Spanish (4)**

(3 sections)

Intensive beginning course, primarily emphasizing oral practice. Two classes and two lab sessions required daily.

Daily (1) 7:45- 8:35; 8:45-10:00 plus laboratory

(2) 9:10-10:00; 10:10-11:25 plus laboratory

(3) 10:10-11:25; 11:35-12:25 plus laboratory

102 Elementary Spanish (4)

Continuation of 101. Two classes and two lab sessions required daily.

Daily 9:10-10:00; 10:10-11:25 plus laboratory

201 Intermediate Spanish (3)

(2 sections)

Continuation of oral practice, with increasing emphasis on reading and written composition. One class and two lab sessions required daily.

Daily (1) 8:10- 9:25 plus laboratory

(2) 10:10-11:25 plus laboratory

202 Intermediate Spanish (3)

Continuation of 201. One class and two lab sessions required daily.

Daily 11:35-12:50 plus laboratory

300 Oral Spanish for Teachers (3)

Intensive oral practice designed to improve pronunciation and to increase oral fluency, breadth of vocabulary and accuracy of grammatical usage. Pre: consent of instructor.

Daily 10:10-11:25

303 Advanced Grammar and Composition (3)

More detailed study of problem areas of Spanish grammar. Cultivation of accuracy and elegance.

Daily 10:10-11:25

330 Phonetics and Pronunciation Practice (2)

Analysis of Spanish phonological system, in contrast with English. Practice designed to perfect student's own pronunciation. Language lab practice required daily.

Daily 9:10-10:00 plus laboratory

431 The Structure of Spanish (3)

Phonological, morphological, and syntactic structure of contemporary Spanish, as analyzed by descriptive linguists. Pre: Ling 102 or equivalent and Span 202 or consent of instructor.

Daily 10:10-11:25

490 Hispano-Philippine Literature (2)

Study of important writers in Spanish from the Philippine Islands. Pre: 202 or equivalent.

Daily 7:45-8:35

697 Seminar in Spanish American Essay (3)

Studies in the 20th-century Spanish American essay on literary, sociological and political fields.

Daily 11:35-12:50

SPEECH-COMMUNICATION (Sp)

- 101 Speech-Communication Processes (3)** **S. Sanderson**
 Introduction to study of speech-communication through models of the process. Examination of major variables of source, message, medium, receiver and how their interaction affects speech-communication. Core requirement for majors in speech and education in lieu of 145. Pre: Speech Communication Center clearance.
 Daily 10:10-11:25
- 145 Expository and Persuasive Speaking (3)** **N. Byers, E. Kunimoto, M. Meeske,
R. Anderson, S. Sanderson, J. Owen**
 (10 sections)
 Practice in systematic analysis of expository and suasive ideas with instruction in their preparation for public discourse.
 Daily (1) 7:20- 8:35 (Byers) (6) 10:10-11:25 (Meeske)
 (2) 7:20- 8:35 (Kunimoto) (7) 10:10-11:25 Staff
 (3) 7:20- 8:35 (Anderson) (8) 10:10-11:25 (Anderson)
 (4) 8:45-10:00 (Kunimoto) (9) 11:35-12:50 (Sanderson)
 (5) 8:45-10:00 (Meeske) (10) 11:35-12:50 (Owen)
- 211 General Phonology (3)** **G. Richards**
 Dynamic phonology of American English. Systematic goal-oriented study of dialects in use. Modification of speech for particular purposes including pedagogy. Pre: ability to transcribe International Phonetic Alphabet according to established standard; or consent of instructor.
 Daily 10:10-11:25
- 221 Speech-Communication in the Management of Learning (3)** **W. Hervey**
 Overview of principles of speech-communication management: message composition, media utilization and evaluation of speech-communication events, with special reference to problems of teaching-learning. Part of pre-service or in-service preparation of teachers; not intended for majors in speech-communication. Pre: 101 or 145.
 Daily 7:20-8:35
- 231 Reading Aloud (3)** **L. Breneman, G. Richards**
 (2 sections)
 Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature. Pre: 101 or 145.
 Daily (1) 7:20- 8:35 (Richards)
 (2) 8:45-10:00 (Breneman)
- 251 Public Speaking (3)** **J. L. Owen**
 Adaptation of rhetorical theory to particular speakers, audiences, occasions. Extensive practice in planning and delivering speeches. Pre: 101 or 145.
 Daily 10:10-11:25
- 333 Storytelling (2)** **L. N. Breneman**
 Esthetic communication through storytelling for entertainment and education. Oral tradition; analysis of story types; techniques of preparation and presentation; performance.
 Daily 10:10-11:00
- 352 Group Speech-Communication (3)** **T. A. Welden**
 Study of discussion within context of small group. Effects of variables such as group organization, leadership, membership, goals on how group attempts to achieve its purpose. Pre: 101 or 145.
 Daily 11:35-12:50

- 434 Advanced Interpretative Reading (3)** **Staff**
 Problems in selected literary forms; development and arrangement of programs; introduction to group interpretation; individual and group reports and performances. Pre: 231, Eng 151, or consent of instructor.
 Daily 1:10-2:25
- 469 World Broadcasting (3)** **K. S. Sitaram**
 A comparative analysis of broadcasting systems in the world and radio and television communication between countries and cultures.
 Hrs. arr.
- 491 Semantics (3)** **P. J. Heinberg**
 Understanding language; verbal meaning and implication; roles of perception and assumption (inference and judgment) in human relationships.
 Daily 8:45-10:00
- 613 Experimentation in Language Acquisition and Modification (3)** **W. D. Hervey**
 Problems in language acquisition and modification. Use of equipment designed to aid language acquisition. Creation of language-learning materials. Innovation of special techniques for different language-learning situations. Pre: 305, 406, or 602, or equivalents.
 Hrs. arr.
- 784 Seminar in Intercultural Speech-Communication (3)** **K. S. Sitaram**
 Focus on the major variables of speech-communication in an intercultural context. Linguistic and non-verbal factors. Possibilities for training in intercultural, face-to-face communication roles. Pre: 101 and at least one course in cultural anthropology, or permission of instructor.
 Hrs. arr.

SPEECH PATHOLOGY AND AUDIOLOGY (SPA)

- 300 Introduction to Speech Correction (3)** **E. G. Ritter**
 Survey of field of speech correction; study of defective articulation, delayed speech, voice problems, cleft palate, cerebral palsy, stuttering, language disorders.
 Daily 8:45-10:00
- 301 Introduction to Audiology (3)** **G. Pang-Ching**
 Basic concepts: psychoacoustics, anatomy and physiology, measurement of hearing; rehabilitation of hard-of-hearing.
 Daily 7:20-8:35
- 410 Practicum in Speech Pathology (1-2)** **E. G. Ritter**
 Clinical practice in use of diagnostic procedures and rehabilitation techniques. Pre: 302 or equivalent.
 Hrs. arr.
- 411 Practicum in Audiology (1-2)** **G. Pang-Ching**
 Clinical practice in testing of hearing, hearing conservation, auditory training, speech reading, speech correction and conservation. Pre: 303 or equivalent.
 Hrs. arr.
- 613 Language Development for Children with Hearing Deficiencies (3)** **P. Muir**
 Language acquisition by hard-of-hearing and deaf children; methods of stimulating growth; demonstration of methods with various age groups.
 Daily 10:10-11:25

- 701 Advanced Audiology (3)** **M. Ansberry**
Instrumentation; selection of hearing aids; special tests of hearing, functional vs. organic hearing, dysfunction.
Daily 11:35-12:50
- 710 Advanced Practicum in Speech Pathology (1-2)** **E. G. Ritter**
Clinical practice in diagnostic and therapeutic procedures; emphasis placed upon complex problems such as delayed speech, language problems, aphasia, stuttering.
Hrs. arr.
- 711 Advanced Practicum in Audiology (1-2)** **G. Pang-Ching, P. Muir**
Clinical practice in administering special tests; interpretation of audiograms; selection of hearing aids; counseling of individuals with impaired hearing; use of varied rehabilitation techniques.
Hrs. arr.
- 799 Research (2-3)** **Staff**
Designed primarily for graduate students in the non-thesis program; (1) Speech Pathology; (2) Audiology.
Hrs. arr.
- 800 Thesis Research (8)** **M. Ansberry**
(2) Audiology.
Hrs. arr.

TAGALOG (Tag)

- 111 Intensive Elementary Tagalog (6)** **F. Pe Benito**
Intensive course equivalent to Elementary Tagalog in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drills are required daily.
Daily 7:45-10:00; 12:30-2:25 plus laboratory

THAI (Thai)

- 111 Intensive Elementary Thai (6)** **T. Gething**
Intensive course equivalent to Elementary Thai in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill required daily.
Daily 7:20-10:00; 12:30-2:25 plus laboratory
- 112 Intensive Intermediate Thai (6)** **S. Alexander**
Intensive course equivalent to Intermediate Thai in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill required daily.
Daily 7:45-9:35; 1:10-3:50 plus laboratory

VIETNAMESE (Viet)

- 111 Intensive Elementary Vietnamese (6)** **S. O'Harrow**
Intensive course equivalent to Elementary Vietnamese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work for 6 weeks, two periods of laboratory drill required daily.
Daily 7:20-10:00; 12:30-2:25 plus laboratory

- 112 Intensive Intermediate Vietnamese (6)** **Staff**
Intensive course equivalent to Intermediate Vietnamese in academic year. Includes four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work for 6 weeks, two periods of laboratory drill required daily.
Daily 7:45-9:35; 1:10-3:50 plus laboratory

ZOOLOGY (Zool)

- 420 Embryology (4)** **S. Haley**
Descriptive and analytical embryology of selected vertebrates and invertebrates.
Daily 10:30-12:20 Lab MTWThF 1:30-4:20
- 699 Directed Research (arr.)**
Directed research and reading in various fields of zoology.
Hrs. arr.
- 715 Topics in Invertebrate Zoology (8)** **R. E. Kane, M. G. Hadfield**
Advanced descriptive and experimental studies of the development of marine invertebrate animals: Pre: advanced graduate standing and permission of instructor.
Daily 8:00-5:00

SECOND TERM July 28–September 5

AGRICULTURE, TROPICAL

Agriculture (AG)

- 299 Agricultural Practice (1) S. Goto
399 Agricultural Thesis (arr.) Staff
510 Agricultural Education (3) S. Goto
Open to voag and biological science teachers, senior ag students by permission.

Agricultural Economics (AEc)

- 399 Directed Study (arr.) Staff
Limited to exceptional undergraduate students who are qualified to carry on advanced study. Pre: consent of instructor.
699 Directed Research (arr.) Staff

Agricultural Engineering (AE)

- 699 Directed Research (arr.) Staff

Agronomy (Agron)

- 699 Directed Research (arr.) Staff

Animal Sciences (An Sc)

- 699 Directed Research (arr.) Staff
800 Research (arr.) Staff

Entomology (Ento)

- 399 Directed Research (arr.) Staff
Limited to participants in National Science Foundation Undergraduate Research Participation Program and to exceptional undergraduate students who are qualified to carry on research problems.
699 Directed Research (arr.) Staff

Food Science (Fd Sc)

- 699 Directed Research (arr.) Staff
799 Directed Research (arr.) Staff

Horticulture (Hort)

699 Directed Research (arr.) Staff

Plant Pathology (PPath)

699 Directed Research (arr.) Staff

Soil Science (Soils)

699 Directed Research (arr.) Staff

799 Directed Research (arr.) Staff

Food and Nutritional Sciences (FN)

499 Directed Reading and Research (arr.) Staff

Food Service Administration (FSA)

499 Directed Reading and Research (arr.) Staff

Nutrition (Nutr)

699 Directed Reading and Research (arr.) Staff

AMERICAN STUDIES (Am St)

475 American Taste (3) A. Gowans
Study of popular attitudes towards the arts, travel, fashions, craft, and industrial productions, and recreation. Past will be used to explain present.
Daily 10:10-11:25

490 Special Topics (3) A. Gowans
Problems of American life, generally with emphasis on contemporary relevance.
Daily 11:35-12:50

799 Directed Research (3) Staff
Pre: graduate standing; consent of instructor.
Hrs. arr.

ANTHROPOLOGY (Anth)

150 Introduction to Anthropology (3) T. S. Newman
Human evolution; prehistoric development of culture; recent and contemporary man, common features and principal variations in cultural behavior.
Daily 8:45-10:00

ART (Art)

- 106 Elementary Studio—Sculpture (3)** **M. Belshe**
 Studio experience mainly for non-majors. Lectures and projects. Credit cannot count towards major requirements in Art. Pre: 101.
 Daily 1:10–5:00 (4 weeks) July 28–August 22
- 253 Sculpture (3)** **M. Sato**
 Study of form and structure, using variety of materials and techniques. Seminars.
 Daily 8:45–12:35 (4 weeks) July 28–August 22

ASIAN AND PACIFIC LANGUAGES (AP)

- 690 Directed Reading (arr.)** **Staff**
 Directed reading of advanced text written in one of the Asian and Pacific languages.
 Pre: consent of instructor.

BOTANY (Bot)

- 399 Botanical Problems (arr.)** **Staff**
- 699 Directed Research (arr.)** **Staff**
- 799 Directed Research (arr.)** **Staff**

BUSINESS ADMINISTRATION**Graduate Courses**

- Bus 605 Behavioral Science for Business (3)** **Staff**
 Analysis of social and cultural forces that change the environmental context for management decision-making. Business problems derived from changing patterns of life examined in terms of social sciences, such as: anthropology, psychology, and sociology.
 TTh 6:15–9:35 p.m.
- Bus 615 Quantitative Methods for Business (3)** **K. Sasaki**
 Mathematical methods and techniques of statistical inference used in business.
 TTh 6:15–9:35 p.m.
- Bus 630 Finance (3)** **J. O'Brien**
 Analysis of fundamental financial problems. Financial planning and management, capital budgeting, securities, and other financial instruments, financial markets, and principal financial intermediaries. Pre: Bus 620.
 TTh 6:15–9:35 p.m.
- BEc 792 Current Economic Problems (3)** **J. Bicksler**
 Study of modern issues and problems in business economics. Topics may vary from term to term.
 MW 6:15–9:35 p.m.
- Fin 702 The Financial System (3)** **J. O'Brien**
 Major financial institutions of U. S. economy; their inter-relationships; their importance in facilitating economic activity.
 MW 6:15–9:35 p.m.

PIR 741 Problems in Organizational Health (3)**Staff**

Analysis of selected internal and external problems involving human resources in management within context of complex situations.
MW 6:15-9:35 p.m.

Accounting (Acc)**201 Elementary Accounting (3)****J. Cashin**

Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Pre: sophomore standing.
MWF 7:45-9:30 Laboratory (1) and (2) TTh 7:45-9:30

202 Elementary Accounting (3)**J. Cashin**

Theory and practice of income determination and asset valuation. Preparation and analysis of statements; uses for decision making. Pre: Acc 201.
MWF 9:40-11:25 Laboratory (1) and (2) TTh 9:40-11:25

302 Intermediate Accounting (3)**J. Trine**

Critical examination of generally accepted accounting principles as applied to preparation and use of financial statements. Pre: Acc 301.
Daily 11:35-12:50

350 Advanced Accounting (3)**J. Trine**

Consolidated statements, fiduciaries, other special problems of accounting. Pre: Acc 302.
Daily 8:45-10:00

Business Analysis and Statistics (BAS)**111 Applied Mathematics (3)****El-Ramly**

Application of mathematical operations to problems in business and economics; linear equations; progressions; theory of sets and functions; elementary matrix notation; differential and integral calculus (including partial differentiation, maxima and minima, and Lagrange multiplier techniques). Pre: Math 134.
Daily 10:10-11:25

301 Business Statistics (3)**Sasaki**

Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.
Daily 10:10-11:25

302 Business Statistics (3)**Shin**

(2 sections)
Principles of statistical inference including frequency distribution, averages, variation, testing hypotheses, estimation of population mean, index numbers, time series, correlation, probability, sampling, chi square and F distribution, analysis of variance. Utilization of statistical data as an aid to managerial decisions.
Daily (1) 7:20-8:35 (2) 10:10-11:25

315 Electronic Data Processing for Business (3)**Couger**

Computers and their memories, inputs and outputs, punched card layouts, possibilities for calculation and decision, program coding, report writing.
Daily 8:45-10:00

Business Economics (BEC)

Economics 150 is prerequisite to all other courses.

- 303 Money, Credit and the Capital Market (3)** **Cochran**
 Nature and functions of money, debt and credit, liquidity; financial institutions and money market analysis; fund flow analysis.
 Daily 8:45–10:00
- 342 Managerial Economics II (3)** **El-Ramly**
 Working concepts and case studies relating to demand analysis and production analysis; problems of demand creation, multifactors and multiproducts, technological change; cases involving working capital, financing and capital budgeting; input-output analysis and programming techniques. Pre: 341.
 Daily 7:20–8:35
- 361 Foreign Trade and American Industry (3)** **Kirkpatrick**
 Introduction to world trade, its development and current status, study of foreign trade principles, including international commercial problems and policies, tariff policies, and exchange controls that affect exporting and importing industries.
 Daily 8:45–10:00

Law (Law)

- 300 Principles of Business Law (3)** **D. Bury**
 American system of jurisprudence, elements of torts, criminal law, property trusts and estates, law of contracts and agency.
 Daily 10:10–11:25

Personnel and Industrial Relations (PIR)

- 300 Personnel and Labor Relations (3)** **Staff**
 Introduction to labor and trade unionism; introduction to personnel management principles and practices.
 Daily 8:45–10:00

Travel Industry Management (TIM)

- 301 Hotel Management Principles (3)** **J. Cox**
 Basic management functions: planning, controlling, organizing, staffing, directing; emphasis on human factors and quantitative analysis in developing sound philosophy of management. Critical evaluation of current practices in business firms. Emphasis on principles as they affect hotel, restaurant, tourism industries.
 Daily 8:45–10:00

CHEMISTRY (Chem)

- 399 Directed Research (arr.)** **Staff**
 Pre: consent of department chairman.
 Hrs. arr.
- 799 Directed Research (arr.)** **Staff**
 Pre: consent of department chairman.
 Hrs. arr.

CHINESE (Chin)

- 112 Intensive Intermediate Chinese (6)** **Staff**
 (2 sections)
 Intensive course equivalent to Intermediate Chinese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor.
 Daily (1) 7:20-10:00; 1:35-3:25 plus laboratory
 (2) 7:20-10:00; 1:35-3:25 plus laboratory
- 202 Intermediate Chinese (4)** **Staff**
 Continuation of 201; equivalent of second semester's work in academic year. Language lab practice required daily.
 Daily 9:10-11:25 plus laboratory
- 302 Third-Level Chinese (3)** **Staff**
 Continuation of 301; equivalent of second semester's work in academic year. Language lab practice required daily.
 Daily 8:45-10:00 plus laboratory
- 362 Chinese Literature in Translation—Modern (3)** **L. C. Winters**
 Historical survey from 1842 to present, with emphasis on analysis. Knowledge of Chinese not required. Pre: two semesters of literature in English department.
 Daily 1:10-2:25
- 402 Fourth-Level Chinese (3)** **Staff**
 Continuation of 401; equivalent of second semester's work in academic year. Language lab practice required daily.
 Daily 10:10-11:25 plus laboratory
- 404 Accelerated Fourth-Level Chinese (6)** **Staff**
 In one semester content of 401-402 covered. Pre: consent of instructor.
 Daily 8:45-10:00; 10:10-11:25 plus laboratory
- 436 Introductory Classical Chinese (3)** **Staff**
 Continuation of 435; equivalent of second semester's work in academic year.
 Daily 2:25-3:50
- 452 Structure of Chinese (3)** **K. Them**
 Continuation of 451; equivalent of second semester's work in academic year.
 Daily 1:10-2:25

ECONOMICS (Econ)

- 120 Introduction to Economics (3)** **Staff**
 One-semester course for non-majors. Provides general understanding of functioning of economic systems, including various approaches to organization of production and allocation of resources, and of policies designed to achieve national economic goals.
 Daily 8:45-10:00
- 150 Principles of Economics (3)** **Pollock**
 Analysis of functioning of economic systems with emphasis on forces determining levels and changes of national income and employment. Describes basic economic institutions, e.g., markets, money, banks, labor organizations, corporations.
 Daily 8:45-10:00

- 151 Principles of Economics (3)** **McLeod**
 Analysis of how commodity and factor prices are determined. Discusses policies for efficient allocation of scarce resources. Required of all economics majors.
 Daily 11:35-12:50
- 300 Intermediate Economic Theory: National Income (3)** **Yeh**
 Concepts; determination of income, employment, price levels; effects of fiscal, monetary, other policies. Pre: 150.
 Daily 8:45-10:00
- 301 Intermediate Economic Theory: Price Theory (3)** **Cooper**
 Price determination and resource allocation under competition, monopoly, oligopoly, monopolistic competition. Theories of demand, cost, partial, general equilibrium. Pre: 151.
 Daily 10:10-11:25
- 321 Elementary Statistics (3)** **Staff**
 Basic elements of statistics, with emphasis on application: graphic presentation, logarithmic scales, rates and ratios, time series analysis, index numbers, regression and correlation analysis.
 Daily 11:35-12:50
- 340 Money and Banking (3)** **Staff**
 Nature and role of money; development of national and international monetary standards; role of commercial banking and financial intermediaries; development and function of central banking. Pre: 150.
 Daily 10:10-11:25
- 421 Statistical Methods in Economic Analysis (3)** **Goldberger**
 Probability and distribution theory, calculus of expectations, statistical inference, small sample methods, analysis of variance and regression, correlation analysis, time series analysis and index numbers. Pre: 321.
 Daily 8:45-10:00
- 424 Econometrics (3)** **Cooper**
 Review of matrix algebra and basic concepts of linear regression models, economic model building, errors in variables, systems of single and simultaneous equations and problems of autocorrelation, collinearity and identification. Pre: 421.
 MW 1:10-4:10
- 460 International Trade Theory (3)** **Yeh**
 Theoretical, institutional and historical aspects of international economic relations considered, including foreign exchange rates, balance of payments adjustment, tariffs, quotas, trading blocs. Pre: 300, 301.
 Daily 11:35-12:50
- 462 International Economic Policy (3)** **Comitini**
 Problem areas of contemporary interest, such as causes and effects of recent U.S. gold losses, drive for trade liberalization, impact of Common Market, etc. Pre: 460.
 TTh 1:10-4:10
- 601 Microeconomic Theory (3)** **Staff**
 Rigorous analysis of consumer's choice, pricing of products and factors of production under competitive conditions, partial and general equilibrium, monopoly and imperfect competition, risk and uncertainty, and capital theory. Pre: 301.
 TTh 1:10-4:10
- 624 Econometrics I (3)** **Goldberger**
 Probability theory and statistical inference for time series analysis. Construction and testing of econometric models. Pre: 424 or consent of instructor.
 MW 1:10-4:10

- 627 Economic Programming (3)** **Chau**
 Application of input-output analysis, linear programming, and macro-economic models to problems of economic development and planning. Pre: 420 or consent of instructor.
 TTh 1:10-4:10
- 699 Directed Research (Econometrics) (arr.)** **Goldberger**
 Pre: consent of department chairman.

EDUCATION

Curriculum and Instruction (Ed CI)

The following courses have as prerequisite enrollment in the College of Education as classified student or permission of the department chairman: 312-321, 329-345.

- 312(5) Foundations in Curriculum and Instruction: Elementary Education (3)** **Reddin**
 Study of objectives and organization of school's curriculum; discussion of principles and practices; roles of teacher in school. Pre: Ed EF 310 and Ed EP 311.
 Daily 7:45-9:40 July 28-August 22
- 312(10) Foundations in Curriculum and Instruction: Secondary Education (3)** **Fultz**
 Study of objectives and organization of school's curriculum; discussion of principles and practices; roles of teacher in school. Pre: Ed EF 310 and Ed EP 311.
 Daily 7:45-9:40 July 28-August 22
- 319 Children's Literature (2)** **Reddin**
 Acquaintance with wide range of children's books; criteria for judging literature on basis of needs and interests. Pre: 312 or concurrent registration.
 Daily 10:10-11:25 July 28-August 22
- 320 Language Arts, Elementary (2)**
 Modern approach to teaching of language arts—reading, oral, written expression. Pre: 312 or concurrent registration.
 Daily 8:45-10:00 July 28-August 22
- 321 Reading, Elementary (2)**
 Survey of reading process: development of reading readiness, word recognition, comprehension, reading rate, vocabulary, reading interests, reading in content areas. Selection and use of reading materials, evaluation and appraisal of reading progress.
 Daily 10:10-11:25 July 28-August 22
- 325 Trends in the Teaching of Elementary Mathematics (2)** **Adachi**
 Mathematical content necessary for effective use of newer approaches; nature of number systems; introduction to theory of numbers; basic concepts of algebra; foundations in geometry. (Open for credit to students who took elementary math methods prior to September 1962.) Pre: 312 or concurrent registration and teaching experience.
 Daily 8:45-10:00 July 28-August 22
- 329 Creative Expression in Elementary Education (3)** **Hayes**
 Development of communication skills through creative dramatics, rhythmic movement, and related arts. Pre: 312 or concurrent registration, or consent of instructor.
 Daily 7:45-9:40 Lab TTh 9:40-10:10 July 28-August 22

- 331 Teaching of Reading in Intermediate and High School (2)** **R. Shafer**
Techniques and materials for teaching reading and improving reading skills in intermediate and high school. Pre: 312 or concurrent registration.
Daily 8:45–10:00 July 28–August 22
- 345 Literature for Adolescents (2)** **R. Shafer**
Literature for secondary school level; helping students appreciate significance and meaning of literature; materials suitable for varying levels of ability and interests.
Daily 10:10–11:25 July 28–August 22
- 540(9) Practicum in Curriculum Development: Science (2)** **Carr**
Designed for teachers-in-service to upgrade subject matter and develop new teaching methods and materials for science instruction in grades 4–6 with special emphasis on the SCIS program. Opportunity for development of curriculum materials and methods by participating teachers. Pre: related undergraduate methods courses; teaching experience. (Registration limited to 35 teachers.)
Daily 8:00–12:00 August 18–29
- 597 Newspaper in the Classroom (2)** **E. Jenkins, B. Edwards**
Course with two aims: to help teachers teach about the newspaper—its role in the community, how news is gathered, how a paper is produced; and to help teachers use the newspaper effectively as a supplementary text for all grades and in all subject areas. Pre: teachers with professional or provisional certificates.
Daily 9:00 a.m. to 3:00 p.m. August 4–15
- 620 Teaching Reading in the Elementary School (3)**
(2 sections)
Developmental and psychological aspects of the reading process, studying current trends, research, and techniques of evaluation. Pre: 321.
Daily (1) 7:45–9:40 (2) 10:10–12:05 July 28–August 22
- 629 Curriculum Development in Creative Expression (3)** **Hayes**
Leadership training for teachers of creative dramatics, rhythmic movement, and related arts. Pre: 329 or consent of instructor.
Daily 10:10–12:05 Lab TTh 9:40–10:10 July 28–August 22
- 643 Public School Curriculum for Physical Education (3)** **Chui**
Detailed examination of contents of adequate curriculum for physical education in public schools, K–12. Pre: 343, 636, HPE 203, or consent of instructor. (Identical with HPE 643.)
Daily 8:00–9:55 July 28–August 22
- 699 Directed Research and Study (1)** **Morris**
Limited to participants in the Business Education Methods Conference.
Daily 8:00 a.m. to 4:00 p.m. August 4–8 Kapiolani Community College

Educational Foundations (Ed EF)

- 310 Foundations of American Education (3)** **Rust**
(2 sections)
Contemporary educational theory and practice as related to major historical, philosophical, and social factors in American culture.
Daily (1) 7:45–9:40 (2) 10:10–12:05 July 28–August 22

Educational Psychology (Ed EP)

EP 311 and 416 or their equivalents are prerequisites for all graduate courses in Educational Psychology.

408 The Emotionally Disturbed Child (3)

Study of behavioral characteristics, methods of identification and management of emotionally disturbed children in regular and special classes in public schools, private day schools, clinics, residential schools, and hospitals.

Daily 8:05-10:00 July 28-August 22

416 Tests and Measurements (3)

Theory and techniques of measurement and evaluation in education, including supervised experience in instrument development and analysis.

Daily 8:05-10:00 July 28-August 22

601 Guidance in the School (3)

Basic principles of guidance; consideration of techniques, organization, materials, resources.

Daily 10:10-12:05 July 28-August 22

605 Problems of School Adjustment (3)

(2 sections)

Principles of behavior affecting human relationships in school, with emphasis upon application to actual situations.

Daily (1) 8:05-10:00 (2) 10:10-12:05 July 28-August 22

Health and Physical Education (HPE)

Medical Clearance Requirement: For HPE courses numbered 101 through 163, 232 through 236, 333 through 337, and 433 through 434, a student is required to submit a medical clearance issued by the University of Hawaii Student Health Service no later than Friday, August 1, 1969. For the procedure to obtain this clearance, see p. 36.

103 Swimming: Beginning (1)

Seichi

Adjusting to and immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.

Daily 10:10-11:00

107 Tennis: Beginning (1)

Rocker

(3 sections)

Rules, etiquette, grip, forehand and backhand strokes, serving, volleying; singles and doubles play.

Daily (1) 8:10-9:00 (2) 9:10-10:00 (3) 10:10-11:00

123 Folk and National Dances (1)

Kaina

Popular dances of various national groups, including square dances.

Daily 10:10-11:00 July 28-August 22

162 Karate (1)

Fajardo

(2 sections)

Rules, etiquette, basic stances, blocks, thrusts, kicks, ippon kumite, and selected kata. (Student must provide own gi.)

Daily (1) 10:10-11:00 (2) 11:10-12:00

Courses numbered 201 and above are not open to lower division students.

- 211 Methods and Materials of Aquatics and Life Saving (2)** **Seichi**
 Review of methods for teaching aquatic sports and review of skills of (A.R.C.) life saving. Considerable practical work in individual swimming and life saving techniques. Red Cross certificate may be earned. Pre: ability to swim 100 yards or consent of instructor.
 Daily 11:10–12:25 July 28–August 22
- 232 Safety Procedures and Accident Prevention (2)** **Strasser**
 Understanding the fundamental principles and techniques of safety and accident prevention programming emphasizing school, home, public places, on the job and motor vehicle situations.
 Daily 10:10–11:25 July 28–August 22
- 233 Physical Education: Elementary (3)** **Beamer**
 Content and methods for physical education in elementary school, emphasizing selection, planning, teaching, and evaluation of movement exploration and physical activities.
 Daily 8:00–9:55 July 28–August 22
- 401 Current Trends in Health (3)** **Schwich**
 Critical analysis of current problems and trends in basic health education areas which contribute to healthful living in community, home and school. Pre: 201 or 202; consent of instructor; 302 desirable.
 Daily 10:10–12:05 July 28–August 22
- 533 Physical Education and Child Development (3)** **Little**
 Conceptions of physical, social, emotional and intellectual growth and development of child as influenced by physical education. Pre: 203, 233, and Psy 320 or one year of elementary teaching experience; Ed CI 341 desirable.
 Daily 10:10–12:05 July 28–August 22
- 643 Public School Curriculum for Physical Education (3)** **Chui**
 Detailed examination of contents of adequate curriculum for physical education in public schools, K–12. Pre: 203, Ed CI 343, Ed CI 636, or consent of instructor. (Identical with Ed CI 643.)
 Daily 8:00–9:55 July 28–August 22

ENGINEERING

Civil Engineering (CE)

- 271 Applied Mechanics II (3)** **Staff**
 Dynamics of particles and rigid bodies; force acceleration, impulse-momentum, work-energy. Pre: 270, Math 206.
 Daily 8:45–10:00
- 370 Mechanics of Materials I (4)** **Staff**
 Elastic stress-strain relationship and behavior of members under flexural, torsional, axial loading. Pre: 270.
 Daily 8:45–11:00

General Engineering (GE)

- 109 Introductory Design & Graphical Analysis (3)** **L. Drake**
 Use of graphical techniques for analysis of engineering problems; design project emphasizing creativity and presentation. Pre: 1 year of high school drawing or GE 61.
 Daily 8:30-12:00

ENGLISH (Eng)

- 100 Expository Writing (3)** **Staff**
 (6 sections)
 A study of the principal steps in effective exposition—discovering, interpreting, and evaluating data through observation and reading; deciding upon an appropriate organizational plan; choosing a voice and style suitable to the writer's audience and the occasion for writing—accompanied by practice in the analysis of expository pieces by professional writers.
 Daily (1) 7:20- 8:35 (4) 10:10-11:25
 (2) 8:45-10:00 (5) 10:10-11:25
 (3) 8:45-10:00 (6) 11:35-12:50
- 102 Expository Writing (3)** **Staff**
 (6 sections)
 Study and practice of argument and persuasion; assembling and organizing research materials; analysis and evaluation of one or two works of imaginative literature; introduction to study of prose style. Pre: 101 (102 in the *Summer Session* is not recommended for students who passed 101 with a grade of D, or who have taken 102, previously and received a grade of F).
 Daily (1) 7:20- 8:35 (4) 10:10-11:25
 (2) 8:45-10:00 (5) 10:10-11:25
 (3) 8:45-10:00 (6) 11:35-12:50
- 251 Major Works of British and American Literature (3)** **M. Livingston**
 From the Middle Ages to 1800; an introductory course for sophomores.
 Daily 10:10-11:25
- 252 Major Works of British and American Literature (3)** **C. Embry**
 From 1800 to the present; an introductory course for sophomores.
 Daily 8:45-10:00
- 253 World Literature: To the Renaissance (3)** **W. Siverly**
 Major works of classical, Oriental, European and English literature.
 Daily 8:45-10:00
- 254 World Literature: 1600 to the Present (3)** **P. Thompson**
 Major works of classical, Oriental, European, American and English literature.
 Daily 10:10-11:25
- 255 Types of Literature (3)** **W. Denham**
 Practical criticism in the major genres of European and American literature. Short story, novel, literary essay, introduction to poetry (narrative).
 Daily 11:35-12:50
- 256 Types of Literature (3)** **L. LeDoux**
 Practical criticism in the major genres of European and American literature. Drama, biography, poetry.
 Daily 7:20-8:35

- 309 Written Communication (3)** **M. Lee, S. Hershinow**
 (3 sections)
 Practice in informative, analytical, and persuasive writing. Open only to students in Business Administration and Home Economics. Pre: 102 and sophomore literature, or equivalent.
 Daily (1) 7:20- 8:35 (Lee) (2) 8:45-10:00 (Hershinow)
 (3) 10:10-11:25 (Lee)
- 331 Introduction to Poetry (3)** **J. Frierson, P. Thompson**
 (2 sections)
 Written and oral analysis of imagery, sound, language, form and structure of poems, leading to increased awareness of nature of poetry.
 Daily (1) 7:20-8:35 (Thompson) (2) 8:45-10:00 (Frierson)
- 446 Shakespeare (3)** **A. Friedson**
 Shakespeare's plays from *Hamlet* through the last plays.
 Daily 10:10-11:25
- 472 American Literature (3)** **W. White**
 A survey of American literature from the Civil War to the present.
 Daily 8:45-10:00
- 780 Seminar in American Literature: Hemingway (3)** **W. White**
 Pre: consent of instructor.
 MWF 11:35-1:40
- 790 The Teaching of Composition (3)** **Larson**
 Elements of rhetorical theory, followed by readings on the principles and practice of the teaching of composition in college and secondary school, with emphasis on new developments in curriculum and recent research findings. Practice in the construction of theme assignments, administration of assignments, annotation of themes, and the designing of courses in composition.
 Daily 9:00-11:30 August 4-22

FRENCH (Fr)

- 102 Elementary French (4)**
 (2 sections)
 Continuation of 101. Two classes and two lab sessions required daily.
 Daily (1) 7:45- 8:35; 8:45-10:00 plus laboratory
 (2) 9:10-10:00; 10:10-11:25 plus laboratory
- 202 Intermediate (3)**
 (2 sections)
 Continuation of 201. One class and two lab sessions required daily.
 Daily (1) 7:20- 8:35 plus laboratory
 (2) 10:10-11:25 plus laboratory
- 301 Phonetics and Pronunciation Practice (3)**
 Analysis of French phonological system. Practice and laboratory drill designed to improve the student's pronunciation. Pre: 101 or two years of high school French.
 Daily 8:45-10:00
- 312 Advanced Conversation and Composition (3)**
 Continuation of 311.
 Daily 1:10-2:25
- 361 French Civilization (3)**
 Survey of culture and institutions of modern France. Pre: 202.
 Daily 11:35-12:50

GEOGRAPHY (Geog)

- 101 Elements of Physical Geography (3)** Staff
 Survey of man's natural environment; distribution and interrelationships of climates, vegetation, soils, and landforms. Laboratory problems in map interpretation and environmental analysis.
 Daily 11:35-12:25 Laboratory (1) MW 1:10-4:00 (2) TTh 1:10-4:00
- 102 World Regional Geography (3)** C. A. Manchester
 Geography of the world's major cultural regions; emphasis on geographic aspects of contemporary economic, social, and political conditions.
 Daily 10:10-11:25
- 151 Economic Geography (3)** J. Langdale
 Systematic study of patterns of economic activities; agriculture, mining and manufacturing, services and consumption. Elements of location theory, transportation and urban geography. Basic aspects of regional economic development and planning.
 Daily 8:45-10:00
- 326 Conservation and Utilization of Natural Resources (3)** J. Schroeder
 Conservation and utilization of soil, water, mineral, and biotic resources. The role of man in changing the face of the earth. Contemporary problems in United States (especially Hawaii) and underdeveloped areas.
 Daily 8:45-10:00
- 335 Political Geography (3)** J. Parsons
 Geographic background of international politics and national power. Case studies of problem areas and boundary problems.
 Daily 10:10-11:25
- 356 Geography of Southeast Asia (3)** W. Edmundson
 Southeast Asia in the world economy. Human and physical resources basis and returns achieved by various methods of land utilization. National economies of continental and insular Southeast Asia, and the problems and prospects of modernization.
 Daily 11:35-12:50
- 368 Geography of Hawaii (3)** A. Piianaia
 Regional, physical and cultural geography. Detailed study of the people and resources.
 Daily 7:20-8:35
- 399 Directed Reading (arr.)** Staff
 Hrs. arr.
- 799 Directed Research (arr.)** Staff
 Hrs. arr.

GEOSCIENCES (Geosc)

- 799 Directed Reading and Research (arr.)** Staff
 Hrs. arr.

GERMAN (Ger)

- 101 Elementary German (4)**
 Intensive course in conversation, grammar, reading, writing. Two classes and two lab sessions required daily.
 Daily 7:45-8:35; 11:35-12:50 plus laboratory

102 Elementary German (4)
(2 sections)

Continuation of 101. Two classes and two lab sessions required daily.

Daily (1) 7:45-8:35; 8:45-10:00 plus laboratory

(2) 10:10-11:25; 11:35-12:25 plus laboratory

201 Intermediate German (3)

Intensive course in conversation, grammar review, reading, composition. Pre: 102 or the equivalent. Language lab practice required daily.

Daily 8:45-10:00 plus laboratory

202 Intermediate German (3)

Continuation of 201. Language lab practice required daily.

Daily 10:10-11:25 plus laboratory

HAWAIIAN (Haw)

102 Elementary Hawaiian (3)
(2 sections)

J. Ward, Staff

Continuation of 101; equivalent of second semester's work in academic year. Language lab practice required daily.

Daily (1) 1:10-2:25 plus laboratory (2) 1:10-2:25 plus laboratory

202 Intermediate Hawaiian (3)

D. Johnson

Continuation of 201; equivalent of second semester's work in academic year. Language lab practice required daily.

Daily 1:10-2:25 plus laboratory

HINDI (Hindi)

102 Elementary Hindi (3)

J. Baumer

Continuation of 101; equivalent of second semester's work in academic year. Language lab practice required daily.

Daily 1:10-2:25 plus laboratory

HISTORY (Hist)

151 World Civilization (3)

J. Connors

A survey of the more significant political, social, economic, and intellectual factors in the development of civilization of the world from the ancient Middle East, Greece and Rome in the West, and the ancient cultures of China, Japan and India in the East to the 17th century.

Daily 7:20-8:35

152 World Civilization (3)

J. Connors

(2 sections)

Continuation of the history of world civilization from the 17th century to the present day.

Daily (1) 10:10-11:25 (2) 11:35-12:50

- 282 Introduction to American History (3)** **E. Barkan**
 Interpretive survey of U.S. history from 1877 to the present.
 Daily 11:35-12:50
- 402 History of South Asia, 1000 A.D. to Present (3)** **J. P. Sharma**
 General historical survey of India, Pakistan, Ceylon.
 Daily 7:20-8:35
- 403 History of Indonesia (3)** **J. de Casparis**
 A survey of the Hinduist kingdoms, the Islamic states, the Dutch colony, and the current republic in the Indonesian archipelago.
 Daily 8:45-10:00
- 408 Modern East Asia (3)** **H. Lamley**
 Survey of the political, social, and economic history of East Asia from the mid-19th century.
 Daily 11:35-12:50
- 410 History of China Since 1600 (3)** **H. Lamley**
 Course of Chinese civilization.
 Daily 1:10-2:25
- 438 The French Revolution (3)** **R. Ferguson**
 Emergence of the state of Louis XIV; 18th century ferment, Jacobins and the Convention; Robespierre; emergence of Napoleon. Analysis of historiography, theories of causation, nationalism will be stressed.
 Daily 11:35-12:50
- 450 History of Modern Russia (3)** **R. Wade**
 Survey of development of Russian thought and institutions, and of territorial expansion in modern times. Impact of revolutionary changes.
 Daily 10:10-11:25
- 462 The Young Republic: U.S. History 1789-1841 (3)** **E. Barkan**
 Federalist decade, rise of Jeffersonianism, War of 1812, Age of Jackson.
 Daily 8:45-10:00
- 463 Crisis of the Union: U.S. History 1841-1877 (3)** **E. Andrade**
 National expansion, sectional conflict; Civil War and Reconstruction.
 Daily 7:20-8:35
- 472 Diplomatic History of the United States (3)** **E. Andrade**
 History of American foreign policy and diplomacy with emphasis on recent developments.
 Daily 10:10-11:25
- 655 Seminar in the History of Island Southeast Asia (3)** **J. de Casparis**
 Studies in histories of peoples and states of Malaysia, Indonesia and Philippines.
 Hrs. arr.
- 799 Directed Research (arr.)** **Staff**
 Individual research topics in special fields. (1) American, (2) Pacific, (3) Japanese, (4) European, (5) English, (6) Chinese, (7) Russian, (8) Hawaiian, (9) South Asian, (10) Southeast Asian, (11) Korean.
 Hrs. arr.

INDONESIAN (Ind)

- 112 Intensive Intermediate Indonesian (6)** **Staff**
 Intensive course equivalent to Intermediate Indonesian in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required.
 Daily 7:20-10:00; 12:30-2:25 plus laboratory
- 303 Accelerated Third-Level Indonesian (6)** **Staff**
 Accelerated course equivalent to Third-Level Indonesian in academic year. Study of modern written texts. Introduction of Arabic script. Laboratory work. Pre: 204 or equivalent.
 Daily 8:45-10:00; 10:10-11:25 plus laboratory

JAPANESE (Jap)

- 102 Elementary Japanese (3)** **Staff**
 (5 sections)
 Continuation of 101; equivalent of second semester's work in academic year.
 Daily (1) 9:10-11:25 plus laboratory (4) 9:10-11:25 plus laboratory
 (2) 9:10-11:25 plus laboratory (5) 9:10-11:25 plus laboratory
 (3) 9:10-11:25 plus laboratory
- 112 Intensive Intermediate Japanese (6)** **Staff**
 (2 sections)
 Intensive course equivalent to Intermediate Japanese in academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours a week of class work for 6 weeks, two periods of laboratory drill daily required. Pre: consent of instructor.
 Daily (1) 7:45-10:00; 12:35-3:25 plus laboratory
 (2) 7:45-10:00; 12:35-3:25 plus laboratory
- 202 Intermediate Japanese (4)** **Staff**
 (4 sections)
 Continuation of 201. Language lab practice required daily.
 Daily (1) 10:10-12:25 plus laboratory (3) 10:10-12:25 plus laboratory
 (2) 10:10-12:25 plus laboratory (4) 10:10-12:25 plus laboratory
- 302 Third-Level Japanese (3)** **Staff**
 (2 sections)
 Continuation of 301; equivalent of second semester's work in academic year. Language lab practice required daily.
 Daily (1) 11:35-12:50 plus laboratory (2) 11:35-12:50 plus laboratory
- 361 Japanese Literature in Translation—Traditional (3)** **J. Araki**
 Historical survey from earliest times to 1868, with emphasis on analysis. Knowledge of Japanese not required. Pre: two semesters of literature in English department.
 Daily 1:10-2:25
- 402 Fourth-Level Japanese (3)** **Staff**
 Continuation of 401; equivalent of second semester's work in academic year. Language lab practice required daily.
 Daily 11:35-12:50 plus laboratory

- 404 Accelerated Fourth-Level Japanese (6)** **Staff**
 Study of modern spoken and written Japanese involving complex structures, expressions, patterns, *tooyoo kanji*. In one session, content of 401-402 covered. Pre: 303 or equivalent.
 Daily 10:10-11:25; 11:35-12:50 plus laboratory
- 452 Structure of Japanese (3)** **B. Hoffer**
 Continuation of 451; equivalent of second semester's work in academic year.
 Daily 2:35-3:50

KOREAN (Kor)

- 112 Intensive Intermediate Korean (6)** **D. J. Lee**
 Intensive course equivalent to Intermediate Korean in academic year. Includes all four skills: listening, speaking, reading and writing. In addition to 25 hours of class work a week for 6 weeks, two periods of laboratory drill daily required.
 Daily 7:45-10:00; 12:30-2:25 plus laboratory

LIBRARY STUDIES (LS)

- 647 Management of Library Operations (3)** **M. Andrews**
 Study of philosophies and techniques of scientific management and their application to library operations such as circulation, acquisition, and cataloging routines. Provides foundation in principal routines in libraries of all types and in theory and practice of scientific management which will enable students to analyze routines and, where necessary, to design improved methods for performance of library operations.
 Daily 7:45-9:00; 1:00-2:15 July 28-August 15
- 683 Service for Children and Young People (3)** **E. Schofield**
 Pre: 615 Building Library Collections. Organization and provision of services from preschool through young adult years, considering both school and public libraries. Special attention to preparation of lessons in use of books and libraries.
 Daily 9:15-10:30; 2:30-3:45 July 28-August 15

LINGUISTICS (Ling)

- 102 Introduction to the Study of Language (3)** **J. H. Ward**
 Nature and workings of language; its role in culture and history.
 Daily 8:45-10:00
- 320 General Linguistics (3)** **T. H. Roberts**
 Approaches, concepts, component areas of linguistics; its development as a science.
 Daily 10:10-11:25
- 699 Directed Research (arr.)**
 Pre: graduate standing; consent of instructor.
 Hrs. arr.
- 750 Seminar (3)** **C. J. Bailey**
 Reporting and discussion of current research in linguistics. Pre: consent of instructor.
 May be repeated.
 Daily 10:10-11:25

MATHEMATICS (Math)

- 100 Survey of Mathematics (3)** **Staff**
 (2 sections)
 To acquaint the non-specialist with the position of mathematics in modern culture. Open to freshmen and sophomores who have not earned credit in 134 or above.
 Daily (1) 7:20-8:35 (2) 8:45-10:00
- 111 Introduction to Mathematics (3)** **Staff**
 Study of structure and concepts of arithmetic. Primarily for Education majors.
 Daily 7:20-8:35
- 201 Finite Mathematics (3)** **R. Griswold**
 Algebra of sets, elementary probability theory, vectors and matrices, linear programming, theory of games. Pre: 134 or equivalent.
 Daily 8:45-10:00
- 232 Ordinary Differential Equations (3)** **C. Weinbaum**
 First order equations; linear equations with constant coefficients; systems of equations, Laplace transforms; applications. Pre: 231.
 Daily 10:10-11:25
- 402 Partial Differential Equations (3)** **E. Groth**
 Integral surfaces and characteristics of first and second order partial differential equations. Applications to the equations of mathematical physics. Pre: 232.
 Daily 8:45-10:00

MUSIC (Mus)

- 160 Introduction to Music Literature (3)** **W. Pfeiffer**
 Orchestral literature from classical through modern period. From listener's point of view.
 Daily 8:45-10:00
- 170 Music in World Culture (3)** **W. Pfeiffer**
 Role of music in societies—ancient and modern, sophisticated and non-sophisticated, Western and non-Western, child and adult. Representative styles and regional characteristics.
 Daily 10:10-11:25
- 452(44) Advanced Woodwind Methods: Bassoon (2)** **F. Uchima**
 Advanced playing, teaching technique, and materials of woodwind instruments. Concentration on bassoon. Pre: 153.
 Daily 10:10-11:00

NURSING (Nurs)

- 425 Nursing Leadership II (6)** **Iwata, Youd, Love**
 Study of the theoretical concepts basic to planning, organizing, implementing, and evaluating nursing care of individual and groups of patients and for understanding the role of the professional nurse on the nursing and health teams. Pre: Nursing Leadership I.
 TTh 1:10-2:25 plus daily lab MWF 7:00-3:30; TTh 7:00-12:00

OCEANOGRAPHY (Ocean)

- 699 **Directed Research (arr.)**
Pre: consent of instructor.
Hrs. arr.
- 800 **Thesis Research (arr.)**
Pre: consent of adviser.
Hrs. arr.

PHILOSOPHY (Phil)

- 100 **Introduction to Philosophy (3)** Moore
Problems, methods, fields of philosophy.
Daily 8:45-10:00
- 210 **Introduction to Logic (3)** Wargo
Principles of modern deductive logic.
Daily 10:10-11:25
- 315 **Ethical Theory (3)** Moore
Comparative analysis of ethical theory in theological, legal, literary, scientific, social, as well as philosophical sources indicating relevance of ethical theory to process of decision making.
Daily 11:35-12:50
- 750 **Seminar in Indian Philosophy (3)** Saksena
Pre: 450; graduate standing; consent of instructor.
TTh 1:35-4:35
- 760 **Seminar in Buddhist Philosophy (3)** Nakamura
Pre: 460; graduate standing; consent of instructor.
MW 1:35-4:35

POLITICAL SCIENCE (PolSc)

- 355 **Topics in Public Administration (3)** Friedman
Development administration. Successful and unsuccessful attempts by governments in selected Asian countries to implement aspects of economic development, based on several models of development strategy, with particular attention to administrative behavior.
Daily 8:45-10:00
- 640 **Comparative Government and Politics (3)** Friedman
Political responses in selected Asian countries to several major issues, problems and trends, including type of social change, communication gaps, nationalistic pressures and meager economic resources.
Daily 11:35-12:50

PSYCHOLOGY (Psy)

- 100 **Survey of Psychology (3)** G. Tanabe
Principles of human behavior. Individual differences, motivation, emotion, perception, learning, etc.
Daily 8:45-10:00
- 110 **Psychology of Adjustment (3)** A. Arkoff
Understanding and improving adjustment: needs, frustrations, conflicts, anxiety, patterns of adjustment. Concepts of mental health. Not open to majors.
Daily 10:10-11:25

PUBLIC HEALTH (PH)

- 799 Directed Reading/Research (arr.)** **Staff**
 Pre: consent of instructor.
 Hrs. arr.
- 800 Thesis Research (arr.)**
 Hrs. arr.

RELIGION (Rel)

- 150 Introduction to the World's Religions (3)** **M. Aoki**
 Introduction to the world's living religions—Hinduism, Buddhism, Shinto, Confucianism, Taoism, Judaism, Christianity, Islam.
 Daily 8:45–10:00
- 151 Religion and the Meaning of Existence (3)** **M. Gray**
 Introduction to basic ideas and issues of contemporary religious thought as they are related to the question, "What is the meaning of existence?"
 Daily 10:10–11:25
- 201 Understanding the New Testament (3)** **M. Gray**
 Origin and development of early Christian message as set forth in the New Testament, with special attention to Jesus and Paul.
 Daily 7:20–8:35

RUSSIAN (Rus)

- 102 Elementary Russian (4)**
 Continuation of 101. Language lab practice required daily.
 Daily 7:45–8:35; 8:45–10:00 plus laboratory
- 202 Intermediate Russian (3)**
 Continuation of 201. Language lab practice required daily.
 Daily 10:10–11:25 plus laboratory

SANSKRIT (Sansk)

- 462 Readings in Sanskrit Classical Literature (3)** **Jagannath**
 Continuation of 461; equivalent of second semester's work in the academic year.
 Daily 2:35–3:50

SOCIAL SCIENCES (SocSc)

- 302 Man in Society (3)** **F. W. Matson**
 Some basic problems and processes of contemporary society, jointly examined by several social sciences.
 Daily 8:45–10:00

SOCIOLOGY (Soc)

Sociology 151 and 201 are equivalent introductory courses. 201 is specifically set up for juniors, seniors, or graduate students. Either course is a prerequisite to all advanced sociology courses.

- 151 Introduction to the Study of Society (3)** **G. Barker**
 Basic social relationships, norms, social structures, processes affecting social change. Not open to juniors or seniors.
 Daily 8:45-10:00
- 201 Principles of Sociology (3)** **G. Won**
 Principles underlying organization of social groups, communities, institutions, ecological structures; basic processes of socialization, collective behavior, social change. Equivalent to 151; open only to juniors, seniors, graduates.
 Daily 10:10-11:25
- 320 Race Relations (3)** **J. Foster**
 Race relations in world perspective; typical situations; conflict and accommodation; caste; race prejudice; miscegenation; effects upon personality.
 Daily 10:10-11:25
- 360 Personality and Culture (3)** **L. Freeman**
 Origin and development of personality as subjective aspect of culture; function of communication; human nature and the mores; personal life organization.
 Daily 10:10-11:25
- 410 Population and Society (3)** **J. Foster**
 Society analyzed in terms of quantitative and qualitative aspects of population. Sociological aspects of birth and death rates, natural increase, mobility.
 Daily 11:35-12:50
- 426 People and Institutions of Japan (3)** **G. Yamamoto**
 Social structure and social change in contemporary Japan. Special attention to family, stratification, mobility.
 Daily 8:45-10:00
- 447 Industrial Sociology (3)** **G. Won**
 Status system in industry. Problems of group adjustment. Factors affecting industrial morale. Sociology of industrial conflict.
 Daily 8:45-10:00
- 455 Juvenile Delinquency (3)** **G. Barker**
 Nature and extent of juvenile delinquency; theories and research; sociology of correction.
 Daily 7:20-8:35
- 721 Seminar in Political Sociology (3)** **L. Freeman**
 An analysis of the problems and techniques involved in the study of community power structures.
 TTh 1:00-4:10 p.m.

SPANISH (Span)

- 102 Elementary Spanish (4)**
 (2 sections)
 Continuation of 101. Two classes and two lab sessions required daily.
 Daily (1) 7:45- 8:35; 8:45-10:00 plus laboratory
 (2) 9:10-10:00; 10:10-11:25 plus laboratory
- 201 Intermediate Spanish (3)**
 Continuation of oral practice; with increasing emphasis on reading and written composition. Laboratory drill. Pre: 102 or equivalent.
 Daily 9:10-10:25

202 Intermediate Spanish (3)

(2 sections)

Continuation of 201. One class and two lab sessions required daily.

Daily (1) 7:20-8:35 plus laboratory (2) 10:10-11:25 plus laboratory

304 Advanced Grammar and Composition (3)

Continuation of 303.

Daily 8:45-10:00

SPEECH-COMMUNICATION (Sp)**145 Expository and Persuasive Speaking (3)**

(10 sections)

Practice in systematic analysis of expository and suasive ideas with instruction in their preparation for public discourse.

Daily (1) 7:20- 8:35 Staff

(2) 7:20- 8:35 Staff

(3) 7:20- 8:35 Staff

(4) 8:45-10:00 (Yamada)

(5) 8:45-10:00 (Ekroth)

(6) 10:10-11:25 (Klopf)

(7) 10:10-11:25 (Yamada)

(8) 10:10-11:25 Staff

(9) 11:35-12:50 (Harms)

(10) 11:35-12:50 (Oxford)

J. Yamada, L. Ekroth, D. Klopf,**J. Harms, W. Oxford****221 Speech-Communication in the Management of Learning (3)****H. Ellingsworth**

Overview of principles of speech-communication management: message composition, media utilization and evaluation of speech-communication events, with special reference to problems of teaching-learning. Part of pre-service or in-service preparation of teachers; not intended for majors in speech-communication. Pre: 101 or 145.
Daily 11:35-12:50

231 Reading Aloud (3)

(2 sections)

Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature. Pre: 101 or 145.

Daily (1) 8:45-10:00 (Rider) (2) 10:10-11:25 (Byers)

R. Rider, B. Byers**251 Public Speaking (3)****D. Klopf**

Adaptation of rhetorical theory to particular speakers, audiences, occasions. Extensive practice in planning and delivering speeches. Pre: 101 or 145.

Daily 8:45-10:00

333 Storytelling (2)**R. Rider**

Esthetic communication through storytelling for entertainment and education. Oral tradition; analysis of story types; techniques of preparation and presentation; performance.

Daily 10:10-11:00

491 Semantics (3)**L. Ekroth**

Understanding language; verbal meaning and implication; roles of perception and assumption (inference and judgment) in human relationships.

Daily 11:35-12:50

671 Speech-Communication in Control of Cognition (3)**L. Harms**

Research and research techniques in the facilitation via speech-communication of the learning and accessing of various types of meaningful verbal information. Pre: 305, 406, or equivalents.

Hrs. arr.

696 General Seminar (3)**H. Ellingsworth**

Significant topics and problems in speech. May be repeated.

Hrs. arr.

SPEECH PATHOLOGY AND AUDIOLOGY (SPA)

- 410 Practicum in Speech Pathology (1-2)** M. May
 Clinical practice in use of diagnostic procedures and rehabilitation techniques. Pre: 302 or equivalent.
 Hrs. arr.
- 710 Advanced Practicum in Speech Pathology (1-2)** M. May
 Clinical practice in diagnostic and therapeutic procedures; emphasis placed upon complex problems such as delayed speech, language problems, aphasia, stuttering.
 Hrs. arr.
- 720-2 Seminar in Speech Pathology (3)** M. May
 Study of functional disorders of speech.
 Daily 8:45-10:00

TAGALOG (Tag)

- 112 Intensive Intermediate Tagalog (6)** F. Pe Benito
 Intensive course equivalent to Intermediate Tagalog in the academic year. Includes the four basic skills: listening, speaking, reading and writing. In addition to 25 hours of class work per week during six weeks, two periods of laboratory drill required daily.
 Daily 7:45-10:00; 12:30-2:25 plus laboratory

THAI (Thai)

- 112 Intensive Intermediate Thai (6)** T. Gething
 Intensive course equivalent to Intermediate Thai in the academic year. Includes all four skills: listening, speaking, reading, and writing. In addition to 25 hours of class work per week during six weeks, two periods of laboratory drill required daily.
 Daily 7:20-10:00; 12:30-2:25 plus laboratory
- 303 Accelerated Third-Level Thai (6)** S. Alexander
 Continuation of 204; study of modern written texts. Laboratory work required daily.
 Daily 8:45-10:00; 10:10-11:25 plus laboratory

VIETNAMESE (Viet)

- 112 Intensive Intermediate Vietnamese (6)** S. O'Harrow
 Intensive course equivalent to Intermediate Vietnamese in academic year. Includes four basic skills: listening, speaking, reading, and writing. In addition to 25 hours of class work per week during six weeks, two periods of laboratory drill required daily.
 Daily 7:20-10:00; 12:30-2:25 plus laboratory
- 303 Accelerated Third-Level Vietnamese (6)** Staff
 Continuation of 112; study of modern written texts. Laboratory work required daily.
 Daily 8:45-10:10; 10:10-11:25 plus laboratory

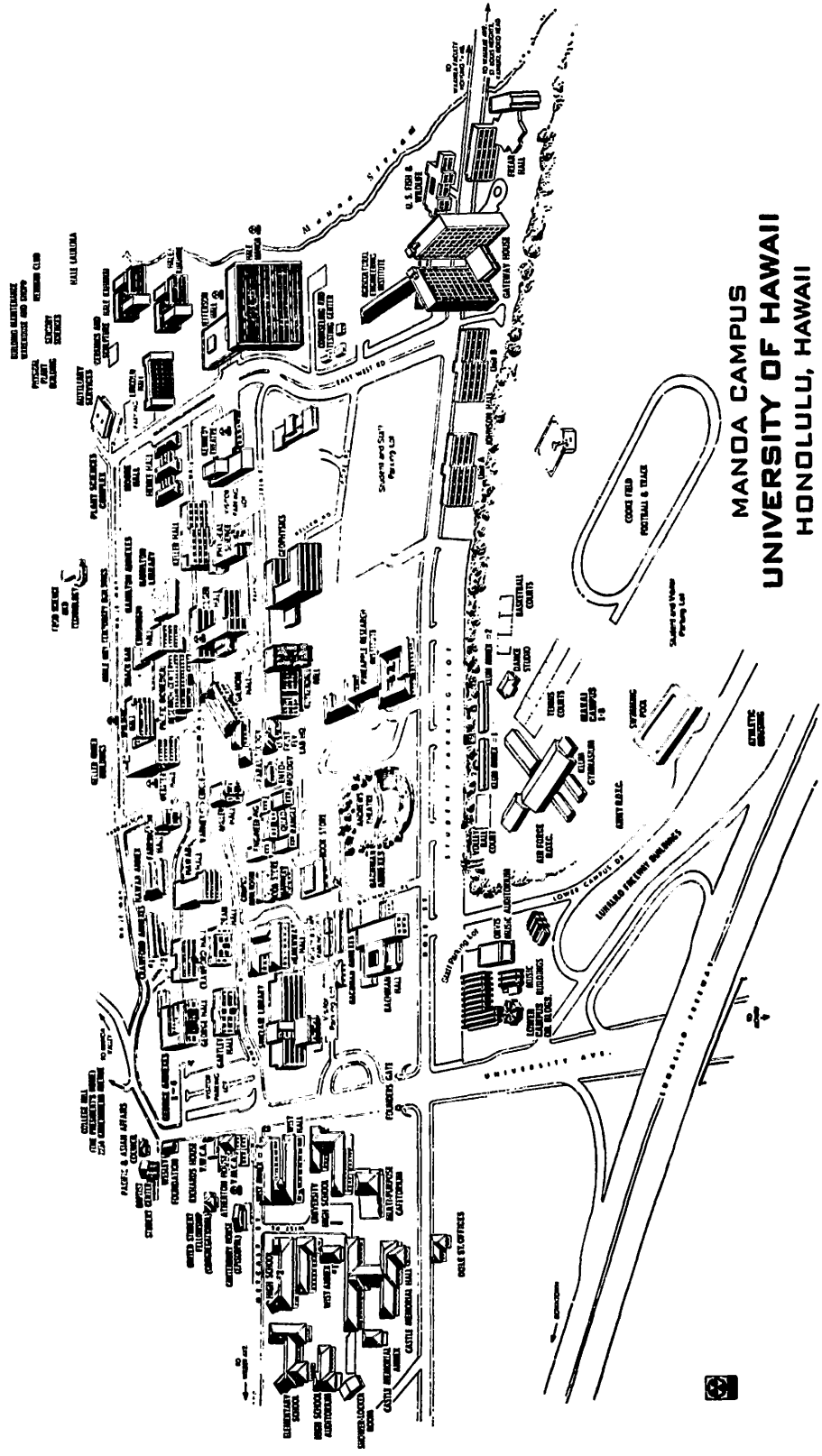
HILO CAMPUS

- Art 223 Painting "A" (3)** **H. Droste**
Painting from studio and outdoor subject matter. Elements of pictorial style.
- Art 224 Painting "B" (3)** **H. Droste**
Painting from identifiable sources; emphasis on expression and structure. Oil and related media. Pre: 223.
- Ed CI 321 Reading, Elementary (2)** **H. Ikeda**
Survey of reading process: development of reading readiness, word recognition, comprehension, reading rate, vocabulary, reading interests, reading in content areas. Selection and use of reading materials, evaluation and appraisal of reading progress.
- Ed CI 324 Mathematics, Elementary (2)** **H. Ikeda**
Purposes, procedures, scope, organization in developing underlying concepts of elementary mathematics; analysis of new elementary mathematics programs; techniques, relative merits, roles of inductive and deductive approaches to new ideas. Pre: 312 or concurrent registration; Math 111.
- Eng 101-102 Expository Writing (3-3)** **Y. Droste, N. Yoshida**
101: Training in analysis of expository essays; introduction and practice of principal expository procedures, including assertion, exemplification, definition, classification. 102: Study and practice of argument and persuasion, assembling and organizing research materials; analysis and evaluation of one or two works of imaginative literature; introduction to study of prose style. 101-102 or 105 is prerequisite to all sophomore literature courses.
- Eng 315 Advanced Expository Writing (3)** **R. Wylder**
Writing of essays from logical and rhetorical principles, especially modes of definition, assertion, proof. Emphasis on clarity, coherence, style.
- Eng 252 Major Works of Modern British Literature (3)** **G. Pilecki**
1800 to the present. 251-252 or 253-254 or 255-256 is prerequisite to all advanced courses in English.
- Eng 521 Seminar on Poetry and Popular Music (3)** **D. Treacy**
Survey of key figures and movements in contemporary popular music, focus on possible applications of this music in the English classroom to teach and appreciate the elements, as well as other aspects of literature and composition.
- Fr 201 Intermediate French (3)** **I. Pilecki**
Reading, conversation, laboratory drill, composition. Pre: 102 or equivalent.
- HPE 103 Swimming: Beginning (1)** **R. Goya**
Adjusting to water, immersing in water, floating, sculling; correct arm stroke, leg kick, breathing techniques and their coordination.

- HPE 107 Tennis: Beginning (1)** **R. Goya**
Rules, etiquette, grip, forehand and backhand strokes, serving, volleying, singles and doubles play.
- HPE 110 Golf: Beginning (1)** **H. Hamai**
Rules, etiquette, grip, stance, drive, normal iron shots, approach shots, putting.
- HPE 111 Golf: Advanced (1)** **H. Hamai**
Emphasis on improving drive, fairway wood shots, long iron shots, control shots, trouble shots, putting, course management, competitive strategy, problems in rules. Actual play on golf course requires additional fees.
- HPE 115 Bowling (1)** **R. Goya**
Rules, etiquette, arm swing, approach, execution, scoring, spare pickups. Class participation at bowling alley requires additional fees.
- HPE 120 Badminton (1)** **R. Goya**
Rules, etiquette, grip, forehand and backhand strokes, serving, smash, drive, net play, offensive and defensive strategy in singles and doubles play.
- HPE 233 Physical Education Elementary (3)** **H. Hamai**
Content and methods for physical education in elementary school. Emphasis on selection, planning, teaching, evaluation of movement exploration and activities.
- Hist 151-152 World Civilization (3-3)** **J. White, T. Smuck**
Development of civilization from ancient Orient and classical Greece and Rome to present. Devoted primarily to presenting, in broad outline, main cultural and historical development in each area. 151: ends with Reformation in Europe. 152: covers period from 16th century to present. Primary emphasis on Western development.
- Hist 281 American History (3)** **L. Warsh**
An interpretative survey of United States history, 1500 to the Civil War.
- Hist 440 Europe Since Versailles (3)** **T. Smuck**
Problems of contemporary Europe and their historical background.
- Hist 464 The Age of Industry: U.S. History 1877-1920 (3)** **L. Warsh**
Response to industrialism and emergence of U. S. as world power.
- IS 190 Film and the Arts (4)** **R. Knox, B. Bander**
An investigation into the formal structure of films including study of character, pace, style, structure, camera use and theme; films will be compared with literature, art, music, and other media of expression.
- Math 134 Pre-Calculus Mathematics (4)** **M. Ando**
Basic operations; algebraic functions and equations; trigonometric functions; lines, conics. Pre: two years of high school algebra and 1 year of plane geometry or consent of division.
- Mus 160 Introduction to Music Literature (3)** **C. Lindsley**
Styles and forms of Western music. From the listener's point of view. Lab section required.
- Mus 519 Music Theory for Elementary Teachers (3)** **C. Lindsley**
Aural training, creative writing, laboratory experience and theoretical study of traditional music. Pre: 118 or 119, or consent of instructor.
- Ocean 201 Science of the Sea (3)** **F. Little**
Introduction to biological, geological, chemical, physical aspects of oceanography. Based on classroom lectures and use of oceanographic equipment and techniques at sea aboard ship and in near-shore zone.

- Phil 100 Introduction to Philosophy (3)** **C. Moon**
Problems, methods, and fields of philosophy.
- Phil 210 Introduction to Logic (3)** **D. Treacy**
Principles of modern deductive logic.
- Phys 100 Survey of Physics (3)** **S. Hwang**
Introduction to physics; basic concepts. Not open to those with previous college physics or experience beyond Math 134.
- PolSc 110 Introduction to Political Science (3)** **J. White**
Role of government in modern society. Types and practices of government; processes of political change; citizen participation.
- Psy 424 Abnormal Psychology (3)** **P. Dixon**
Nature and causes of psychoneuroses and psychoses; abnormalities of intelligence; psychotherapy. Pre: 100 or 111.
- Psy 700 Seminar (3)** **P. Dixon**
(12) Learning.
- Soc 151 Introduction to the Study of Society (3)** **A. Yanagisako**
Basic social relationships, norms, social structures and processes affecting social change. Prerequisite to all advanced courses.
- Sp 145 Expository and Persuasive Speaking (3)** **R. Hicks**
Instruction and practice in the analysis and preparation of expository and suasive public discourse. Prerequisite to all speech courses with higher number.
- Sp 231 Reading Aloud (3)** **B. Heard**
Principles of interpretative reading. Practice in textual analysis and in transmitting intellectual and aesthetic content of literature. Pre: 101 or 145.
- Sp 412 Phonetics and Phonemics of American English (3)** **B. Heard**
Major transcription systems of American English sounds. Application of English phonology to problems of acceptable pronunciation in English language learners. Role of teacher in developing materials and techniques based on phonetic and phonemic analysis. Pre: 211 or Ling 202 or Ling 620.
- English 80H (non-credit) Refresher** **N. Yoshida**
(Enrollment by invitation only)
- Orient 68H (non-credit) Study Skills** **N. Fukuda**
(Enrollment by invitation only)

MANDA CAMPUS UNIVERSITY OF HAWAII HONOLULU, HAWAII



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University of Hawaii Bulletin
University of Hawaii
Honolulu, Hawaii 96822

