Clinical Nutrition

(College of Agricultural and Environmental Sciences)
Faculty. See the Department of Nutrition, on page 454.

The Major Program
The Clinical Nutrition major provides students with training in normal and therapeutic nutrition, biological and social sciences, food science, communication, business management and food service management. This major fulfills the academic requirements for admission into a dietetics internship or the equivalent, which must be completed before qualifying for registration as a dietician.

The Program. The Clinical Nutrition major (formerly Dietetics) includes the same basic core of nutrition classes as the Nutrition Science major, but includes additional courses such as food service management, education, sociology, and communication. This preparation is followed for work with the public. Clinical Nutrition students spend the first two years completing preparatory course work in the basic biological sciences, along with several of the social sciences. In the final two years, students take courses in normal and clinical nutrition, food science, biochemistry, and management techniques.

Entering freshman or transfer students are assumed to have basic computer skills and to demonstrate mathematics competency adequate to pass the Math Placement Exam with a minimum score of 25.

Career Alternatives. The Clinical Nutrition major qualifies students to apply for a dietetics internship accredited by the Accreditation Council for Education in Nutrition and Dietetics enabling them to become a Registered Dietitian, the professional credential necessary to work in a clinical setting. Once become a Registered Dietitian, the professional credential necessary to work in a clinical setting. Once, students who complete the undergraduate preparation in clinical nutrition are also qualified to enter graduate programs in dietetics, nutrition science, public health nutrition, and food service management.

B.S. Major Requirements:

**UNITS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Biology 102 and 103</td>
<td>10</td>
</tr>
<tr>
<td>Biological Sciences 101</td>
<td>4</td>
</tr>
<tr>
<td>Food Science and Technology 100A, 100B, 101A, 101B</td>
<td>12</td>
</tr>
<tr>
<td>Food Service Management 120, 120L</td>
<td>9</td>
</tr>
<tr>
<td>Microbiology 101</td>
<td>12</td>
</tr>
<tr>
<td>Neurobiology, Physiology, and Behavior 101, 101L</td>
<td>8</td>
</tr>
<tr>
<td>Additional upper division Nutrition electives</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Units for the Major</strong></td>
<td><strong>136</strong></td>
</tr>
</tbody>
</table>

Major Adviser, Francene Steinberg (Nutrition)

Advising Center for the major is located in 3202 Meyer Hall 530-752-2512.

Graduate Study. See Graduate Studies, on page 111.

Clinical Nutrition and Metabolism

See Internal Medicine (IMD), on page 406.

Clinical Psychology

See Medicine, School of, on page 396.

Clinical Research (A Graduate Group)

David M. Rocke, Ph.D., Chairperson of the Group

Group Office. CTSC, 2921 Stockton Blvd., Sacramento, CA 95817 916-703-9124

Faculty

Timothy Albertson, M.D., Ph.D. [Internal Medicine: Pulmonary and Critical Care Medicine]

Aaron Beir, M.D. (Emergency Medicine)

Laurel Beckett, Ph.D. (Public Health Sciences)

Lars Berglund, M.D., Ph.D. [Internal Medicine: Endocrinology, Clinical Nutrition, and Vascular Medicine]

Catherine Cansino, M.D., M.P.H. [Internal Medicine: Obstetrics and Gynecology]

Cameron Carter, MHHS [Psychiatry and Behavioral Sciences]

Fernando Fierro, Ph.D. [Cell Biology and Human Anatomy]

James F. Holmes, Jr., M.D. [Pediatrics]

Raylisa R. Issa, M.D. [Dermatology]

Nicholas J. Kenyon, M.D. [Internal Medicine: Pulmonary and Critical Care Medicine]

Kyoungmi Kim, Ph.D. (Public Health Sciences)

Richard Krajewski, Ph.D. [Epidemiology]

Kit S. Lam, M.D., Ph.D. [Biochemistry and Molecular Medicine, Internal Medicine: Hematology and Oncology]

Nancy Lane, M.D. [Internal Medicine: General Medicine]

Primo Nery Lara, Jr., M.D. [Internal Medicine: Hematology and Oncology]

Joy Melnikow, M.D., M.P.H. [Family and Community Medicine]

Fred Meyers, M.D. [Internal Medicine: Hematology and Oncology]

John M. Olichney, M.D. [Neurology]

Sally Ozonooff, Ph.D. [Psychiatry and Behavioral Sciences]

David Pleasure, M.D. [Neurology]

Richard Pollard, M.D. [Internal Medicine: Infectious and Immunologic Diseases]

David M. Rocke, Ph.D. [Public Health Sciences, Biomedical Engineering]

Michael A. Rogowski, M.D., Ph.D. [Neurology]

Patrick Romano, M.D., M.P.H. [Pediatrics, Internal Medicine]

Saul Scharer, M.D. [Internal Medicine: Cardiovascular Medicine]

Julie Schweitzer, Ph.D. [Psychiatry and Behavioral Sciences]

Tony J. Simon, Ph.D. [Psychiatry and Behavioral Sciences]

Dan Tancredi, Ph.D. [Pediatrics]

Alice F. Tarrant, Ph.D. [Cell Biology and Human Anatomy]

Mark Yarborough, Ph.D. [Internal Medicine]

Graduate Study. Graduate Group in Clinical Research (GGRG) is an interdisciplinary graduate group in clinical research with a Master of Advanced Study degree in Clinical Research. The GGRG provides a solid clinical/translational, patient-oriented research foundation for junior faculty, clinical and pre-clinical fellows, and post-doctoral scholars. The program centers around three core elements: didactic instruction, mentored research, and special experiences.

Mandatory course work includes biostatistics, epidemiology, patient-oriented research, health services research, data management/informatics, scientific communication, research management, responsible conduct of research and career development. The instruction includes a 12-week summer curriculum followed by a one- or two-year core curriculum and electives that can be tailored to best meet each scholar's career development needs.

Degree Offered. M.A.S. Plan II

Requirements:

Candidates must meet the following minimum requirements:

- High level of interest and potential to pursue innovative pre-clinical/translational or clinical research as a major focus of career plan, and a long-term goal of entering clinical research career.
- Submission of an application: 2 page research proposal, Description of training plan with identified mentor, Curriculum vitae, and letters of support.

Coaching Principles and Methods

(cole of Letters and Science)

The Coaching Principles and Methods minor is an interdisciplinary minor open to undergraduates in all four colleges. Students must complete a statement of interest to assist in placing them in future internships. This form is available in the Physical Education Program Office, in 264 Hickey Gym, and may be turned in at any time.

Minor Program Requirements:

**UNITS**

Coaching Principles and Methods.............. 20

Physical Education 1, must complete a minimum of two Physical Education 1 courses in two different activities or sports............. 1

Physical Education 7 ........................................... 1

Physical Education 100 .................................. 2

Physical Education 143 .................................. 3

Physical Education 141 .................................. 3
Communication

[College of Letters and Science]

George A. Barnett, Chairperson of the Department

Department Office. 469 Kerr Hall; 530-752-9933

Faculty

George A. Barnett, Ph.D., Professor
Robert A. Bell, Ph.D., Professor
Joelho Cho, Ph.D., Professor
Hyunseo Hwang, Ph.D., Assistant Professor
Nicholas A. Palomares, Ph.D., Associate Professor
Jorge Pellic, Ph.D., Assistant Professor
Lamarine Taylor, Ph.D., Associate Professor
Narine Yegiyan, Ph.D., Assistant Professor

Emeriti Faculty

Rina Alcalay, Ph.D., Professor Emerita
Charles R. Berger, Ph.D., Professor Emeritus
Michael T. Metley, Ph.D., Professor Emeritus
James J. Murphy, Ph.D., Professor Emeritus
Academic Senate Distinguished Teaching Award
Ralph S. Pomeroy, Ph.D., Professor Emeritus
John L. Yohs, M.A., Senior Lecturer Emeritus

Affiliated Faculty

Virginia O. Hamilton, Ph.D., Lecturer
Catherine Puckering, M.A., Lecturer
Alissa Shubb, M.A., Lecturer
John Theobald, M.A., Lecturer

The Major Program

The major in communication focuses upon human symbolic behavior in interpersonal and mediated contexts.

The Program. The program of study in communication examines communication processes at several different levels. A core course of analysis, courses dealing with communication at the individual, interpersonal, organizational and societal levels of analysis are offered.

The emphasis in the program reflects the changing focus in the discipline and society toward computer-mediated communication, quantitative behavioral science and cognitive science. Classes addressing such topics as communication and cognition, message systems, interpersonal communication, nonverbal communication, communication and persuasion, organizational communication, mass media effects, computer-mediated communication and public communication campaigns explore communication at these levels of analysis. Related social science courses are also part of the major.

Preparatory Requirements. Before declaring a major in communication, students must complete the following courses with a combined grade point average of at least 2.0: American Studies 154, 156, Anthology 128B, 139AN; Asian American Studies 112, 115, 116, 120, 150, 150B, 150C, 150D, 150E; Chicana/o Studies 110, 120, 122, 123; Native American Studies 115, 123, 134, 180; Sociology 128, 129, 130, 132, 134, 172, 174; Women’s Studies 130, 158, 170.

Sociocultural Issues and Settings List: American Studies 115, 130, 152, Anthology 1418, Education 115, 122, 153, Exercise Biology 102, 121, 122, Human Development 100B, 110, Native American Studies 156, Physical Education 120, Psychology 126, 140, 151, 157, 158, 161, 162, 168, Sociology 122, 123, 124, 131, 133, Women’s Studies 140. PHE 192 has a prerequisite of junior/senior standing. PHE 192 cannot be taken unless a student has completed more than 90 total units. PHE 192 internship must be in a coaching or teaching setting. Setting must be approved in advance by the coaching minor advisor before a CRN will be issued.

Minor Adviser. Lou Bronzan, 530-752-5541 or sbronzan@ucdavis.edu

Advising Center. 289 Hickey Gym

Graduate Adviser. N. Palomares

Courses in Communication (CMN) Students must have satisfied the Entry Level Writing requirement before taking any course in Communication.

Lower Division

1. Introduction to Public Speaking (4)

Lecture—1 hour; discussion—3 hours. Practice in the preparation and delivery of speeches based on contemporary principles and strategies and tailored for informing and persuading audiences. GE credit: Wrt | OL—I, II, III, (I, II, III) Shubb

3. Interpersonal Communication Competence (4)

Lecture—2 hours; discussion—2 hours. Communication in interpersonal contexts. Sender, receiver, and message variables, and their interaction with communication competence. Participation in simulations and exercises (P/NP grading only).

Upper Division

101. Communication Theories (4)

Lecture—3 hours; discussion—1 hour. Forms, functions, development, and testing of communication theory, with emphasis on social scientific approaches. Survey and comparison of significant micro and macro theories and models of face-to-face and mediated communication. Application of theories to real world problems. GE credit: SocSci | SS.—I, II, III, IV, (I, II, III, IV) Feng

102. Empirical Methods in Communication (4)

Lecture—3 hours; discussion—1 hour. Prerequisite: course 101 and Statistics 13 or equivalent. Social scientific research methods commonly employed in Communication. Topics include: research design, measurement, sampling, questionnaire construction, survey research, experimental design, evaluation research, content analysis and qualitative field methods. GE credit: SocSci | SS.—I, II, III, IV, (I, II, III, IV) Bell, Palomares, Yegiyan

103. Gender Differences in Communication (4)

Lecture—4 hours. Prerequisite: course 101 and course 102 (or an equivalent course in research methods). Pass One open to Communication majors only. Examination of communication differences between men and women as sources of male/female stereotypes, misunderstandings, dilemmas, and difficulties (real and imagined). Treatment of genders as cultures. Topics include male/female differences in discursive practices and patterns, language attitudes, and relational dynamics. GE credit: SocSci | SS.—I, II, Palomares

105. Semantic and Pragmatic Functions of Language (4)

Lecture—4 hours. Prerequisite: course 101 and course 102 (or equivalent course in research methods). Pass One open to Communication majors only. The role of language in shaping attitudes and perceptions of self and others. The use and abuse of verbal symbols and nonverbal signals in interpersonal interaction. Concepts of meaning in discourse. GE credit: SS.—II, III, (II, III) Palomares

134. Interpersonal Communication (4)

Lecture—4 hours. Prerequisite: course 101 and course 102 or equivalent are required. Pass One open to Communication majors only. Communica-