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 dietitian.

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 major prepares students 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 dietetic 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 dietitians are registered, they generally seek employment in administrative, therapeutic teaching, research, or public health/public service positions in clinics, hospitals, schools, or other similar institutions. There is a growing role for dietitians working in settings outside of the traditional hospital (for example, in state and federal nutrition programs, nutrition education, Peace Corps and Cooperative Extension work). 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:

<table>
<thead>
<tr>
<th>Course Code</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>12</td>
</tr>
<tr>
<td>Microbiology, Physiology, and Behavior 101, 101L</td>
<td>8</td>
</tr>
<tr>
<td>Additional upper division Nutrition electives</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units for the Major: 136

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 Stier, M.D. (Emergency Medicine)

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

Lars Berglund, Ph.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, MMBS (Psychiatry and Behavioral Sciences)

Fernando Fierro, Ph.D. (Cell Biology and Human Anatomy)

James F. Holmes, Jr., M.D. (Pediatrics)

Raylin Rivkah Isseroff, M.D. (Dermatology)

Nicholas J. Kenyon, M.D. (Internal Medicine: Pulmonary and Critical Care Medicine)

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

Richard Kovarik, M.D. (Internal Medicine: General Medicine)

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. Olchney, M.D. (Neurology)

Sally Ozonoff, 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. Rogawski, M.D., Ph.D. (Neurology)

Patrick Romano, M.D., M.P.H. (Pediatrics, Internal Medicine)

Saul Schaeter, 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. Tarantal, Ph.D. (Cell Biology and Human Anatomy)

Mark Yarborough, Ph.D. (Internal Medicine)

Graduate Study. Graduate Group in Clinical Research (GGCR) is an interdisciplinary graduate group in clinical research with a Master of Advanced Study degree in Clinical Research. The GGCR 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

(Second 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:

Coaching Principles and Methods: 20

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

Physical Education 6

Physical Education 100

Physical Education 143

Physical Education 141

Quarter: Fall, II-Winter, III-Spring, IV-Summer; 2013-2014 offering in parentheses.

Pre-Fall 2011 General Education (GE): AH=Arts and Humanities; SE=Science and Engineering; SS=Social Sciences; AC=American Cultures; DD=Domestic Diversity; DL=Oral Skills; QL=Quantitative; SL=Scientific; VL=Visual; WC=World Cultures; WE=Writing Experience.

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