Clinical Nutrition and Metabolism

See Internal Medicine (IMD), on page 437.

Clinical Psychology

See Medicine, School of, on page 427.

Clinical Research (A Graduate Group)

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

Group Office, CTSC, 2921 Stockton Blvd., Sacramento, CA 95817 916-703-9110

Clinical Research (A Graduate Group)

Alice F. Tarantal, Ph.D.  [Cell Biology and Human Anatomy]
Mark Varshavsky, 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, epide-
miodiology, 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 chosen to best meet each scholar's career development needs.

Degree Offered. M.A.S. Plan II

Degree Requirements can be found at
http://www.ucdmc.ucdavis.edu/crtc/area/ education/GraduateResearchGraduateGroup/ crgg_degree_curriculum.html

Coaching Principles and Methods

[College 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:

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

Physical Education 1 ............................. 12

A minimum of two Physical Education 1 courses in two different activities or sports

Physical Education 7 .............................. 4

Physical Education 142 .......................... 4

Required Minor Electives

A minimum of eight units with courses from at least two different departments. One course must be taken from race/class/gender list. Second course can be from race/class/ gender list or from sociocultural issues and settings list.


Sociocultural Issues and Settings List: American Studies 115, 130, 152, Anthropology 141B, Education 115, 122, 153, Exercise Biology 102, 121, 122, Human Development 1008, 110, Native American Studies 138, 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 until after 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 adviser before a CRN will be issued.

Minor Adviser. Lou Bronzann, 530-752-5541 or stbronzann@ucdavis.edu

Advising Center. 289 Hickey Gym

Cognitive Science

[College of Letters and Science]

Bernard Malyneux, Ph.D., Program Director

Program Office. 101 Young Hall; cogsciadvising@ucdavis.edu; http://cogsci.ucdavis.edu/

Committee in Charge

Raul Aronovich, Ph.D. (Linguistics)
David Castrin, Ph.D. (Linguistics)
Zoe Drayson, Ph.D. (Philosophy)
John Henderson, Ph.D. (Psychology)
Steven Luck, Ph.D. (Psychology)
Bernard Malyneux, Ph.D. (Philosophy)

The Major Programs

The Cognitive Science major is designed to provide a broad interdisciplinary approach to the study of mind that includes courses from different depart- ments and attracts students with a variety of interests. It emphasizes a multi-faceted approach to the study of mind that integrates concepts and techniques from psychology, artificial intelligence, linguistics, neurology, philosophy and other relevant fields.

For students interested in the liberal arts the Cogni- tive Science major can be pursued as a Bachelor of Arts (A.B.) program. Alternatively, it can be pursued as a Bachelor of Science (B.S.) program for students with a stronger interest in the mathematical, neuro- logical and computational foundations of the disci- pline. The main objective of both programs is to give the student a broad grounding in the integrated sci- ences of the mind and to connect approaches from different fields. Students must complete a number of core courses for the degree, as well as a number of specialty courses on such wide-ranging topics as logic for artificial intelligence, computational linguis- tics, cognitive neuroscience, animal cognition and the psychology of music.

Career Alternatives. A degree in cognitive sci- ence provides broad intellectual foundations useful for careers in a variety of areas, including teaching, business, social work/counseling and the informa- tion technology industry. An undergraduate educa- tion in cognitive science also prepares the student for graduate study in appropriate subfields of psychol- ogy, linguistics, philosophy and informatics. It is also suitable training for pre-medicine, pre-law, and pre- management students.

A.B. Major Requirements:

Preparatory Subject Matter....................... 28

Linguistics 1................................. 4

Philosophy 10..................................... 4

Philosophy 13G................................. 4

Psychology 1................................. 4

Psychology 41................................. 4

Statistics 13.................................... 4

Philosophy 12................................. 4

Depth Subject Matter......................... 44

All courses from group A................. 12

Group A: Core

One 4-unit upper division course in cognitive science, Psychology 101, 112.

One course from group B................. 4

Group B: Computation

Linguistics 177, Psychology 133
A further sixteen units from two of groups
Bf......................................................... 16
Group C: Neuroscience
Psychology 121, 135
Group D: Linguistics
Linguistics 103A, 103B, 131, 141, 171, 173
Group E: Philosophy
Philosophy 103, 104, 136
Group F: Psychology
Psychology 100, 137, 130, 131, 132, 136, 140, 141
Twelve additional units from groups B-G. 12
Group G: Other

Total Units for the Major.......................... 72

B.S. Major Requirements:
Students select to pursue either the Computational Emphasis [Emphasis 1] or the Neuroscience Emphasis [Emphasis 2].

Computational Emphasis

Preparatory Subject Matter........................................ 60
Engineering Computer Science 20, 30, 40, 50, 60.......................... 20
Mathematics 17A or 21A.......................... 8
Mathematics 22A+22AL........................................... 4
Philosophy 10.......................... 4
Philosophy 12.......................... 4
Philosophy 13G.......................... 4
Psychology 001.......................... 4
Psychology 041.......................... 4
Statistics 1 (or STA 102).......................... 4

Depth Subject Matter........................................ 48
All courses from group A.......................... 12
Group A: Core
One four-unit upper division course in cognitive science, Engineering: Computer Science 140A, Philosophy 112
Three courses from group B.......................... 12
Group B: Computation
Eng. Computer Science 120, 170, 171, Linguistics 177, Philosophy 133
One course from group C.......................... 4
Group C: Neuroscience
Linguistics 175, Psychology 101, 135
One course from group D.......................... 4
Group D: Philosophy/Linguistics
Linguistics 103A, 103B, 150, 182, Philosophy 103, 104, 136
Four courses from group E in addition to any taken to satisfy group C requirements ....... 16
Group E: Psychology
Psychology 100, 101, 103A, 103B, 113, 121, 124, 137, 129, 130, 131, 135

Total Units for the Major................................ 108

Neuroscience Emphasis

Preparatory Subject Matter........................................ 62-65
Biological Science 2ABC.......................... 14
Linguistics 1.......................... 4
Mathematics 17ABC or 21ABC.......................... 12
Philosophy 10.......................... 4
Philosophy 13G.......................... 4
Physics 7ABC or 9ABC.......................... 12/15
Psychology 001.......................... 4
Psychology 041.......................... 4
Statistics 13 (or STA 102).......................... 4

Depth Subject Matter........................................ 45-47
All courses from group A.......................... 13
Group A: Core
One four-unit upper division course in cognitive science, Neurobiology, Physiology, and Behavior 103A
One course from group B.......................... 4-5
Group B: Computation
Linguistics 177, Neurobiology, Physiology, and Behavior 162
12-13 units from group C.......................... 12-13
Two courses from group D.......................... 8
Group D: Philosophy/Linguistics
Linguistics 103A, 103B, 150, 182, Philosophy 103, 104, 136
Two courses from group E in addition to any taken to satisfy group C requirements ....... 8
Group E: Psychology

Total Units for the Major.......................... 107-112

Major Advisers. 101 Young Hall;
cogsciadvising@ucdavis.edu

Communication

(College of Letters and Science)
Robert A. Bell, Chairperson of the Department
Department Office. 469 Kerr Hall; 530-752-0966

Faculty
George A. Barnett, Ph.D., Professor
Robert A. Bell, Ph.D., Professor
Jaehe Cho, Ph.D., Associate Professor
Drew Cingel, Ph.D., Assistant Professor
Bo Feng, Ph.D., Assistant Professor
Martin Hilbert, Ph.D., Assistant Professor
Nicholas A. Pinkston, Associate Professor
Jorge Peña, Ph.D., Assistant Professor
Cuilua (Cindy) Shen, Ph.D., Assistant Professor
Lamare D. Taylor, Ph.D., Associate Professor
Narine Yeghiazarian, Ph.D., Assistant Professor
Jingwen Zhang, Ph.D., Assistant Professor

Emeriti Faculty
Rina Alcalay, Ph.D., Professor Emerita
Charles R. Berger, Ph.D., Professor Emeritus
Michael T. Meloy, Ph.D., Professor Emeritus
James J. Murphy, Ph.D., Professor Emeritus
Academic Senate Distinquished Teaching Award
Ralph S. Pomeroy, Psychology 100, 101, 113, 121, 122, 137, 129, 130, 131, 135

Major Advisers
Virginia O. Hamilton, Ph.D., Lecturer
Alisa 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 of analysis. Courses dealing with communication at the individual, interpersonal, organizational and societal levels 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 and societal levels of analysis are offered.

Additionally, courses in Communication examine communication processes at several different levels of analysis. Courses dealing with communication at the individual, interpersonal, organizational and societal levels 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 and societal levels of analysis are offered.

Total Units for the Major.......................... 69-70

Grading recommendation. Although not required, it is recommended that all courses offered in satisfaction of the major, except variable-unit courses, be taken for a letter grade.

Minor Program Requirements:

Communication........................................ 24
At least five upper division courses in communication
Graduate Study. The Department of Communication offers programs of study and research leading to M.A. and Ph.D. degrees in Communication. Detailed information may be obtained from the Graduate Adviser, Department of Communication.

Graduate Adviser. B. Feng

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—2 hours; discussion—theory. Practice in the preparation and delivery of speeches based on contemporary principles and strategies of informing and persuading audiences. GE credit: Wrt
2. 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 experiential exercises. GE credit: SocSci

Career Alternatives. Communication graduates have found careers in such fields as broadcast and print journalism, administration, sales, management, politics and government, education, social work, and public relations. A communication degree is also excellent preparation for law school or other graduate programs.

A.B. Major Requirements:

Preparatory Subject Matter........................................ 29-30
Anthropology 4 or Linguistics 1.......................... 4
Communication 10Y.................. Communication 1 or 3 or 5/Linguistics 5, 4
Computer Science 15 or Philosophy 12.................. 4
Psychology 1.......................... 4
Sociology 1.......................... 5
Statistics 13 or Sociology 468.................. 4-5

Depth Subject Matter.................................. 40
Communication 101; 102; 120-140; 170; 170V or 172.................. 20
Select five of the following additional courses: .......................... 20
Note: Many of the upper division courses offered by the other L&S departments have their own prerequisites not accounted for by lower division Communication courses. To the degree that students elect to take those courses having “hidden prerequisites,” the number of units necessary to complete the major increases above the stated minimum.

Total Units for the Major.......................... 69-70

Note: Many of the upper division courses offered by the other L&S departments have their own prerequisites not accounted for by lower division Communication courses. To the degree that students elect to take those courses having “hidden prerequisites,” the number of units necessary to complete the major increases above the stated minimum.