

Population Health and Reproduction

See **Veterinary Medicine, School of, on page 502.**

Precision Agriculture

(College of Agricultural and Environmental Sciences)
The Department of Biological and Agricultural Engineering offers a minor in Precision Agriculture, the latest farming concept that optimizes fertilizer, pesticide and water use, while minimizing environmental concerns.

Minor Program Requirements:

This minor acquaints students with recent developments and their applications to agriculture, in geographic information systems (GIS), global positioning systems (GPS), variable rate technologies (VRT), crop and soil sensors, and remote sensing. The minor prepares students for challenging positions in site-specific crop management as we enter the "information age" in agriculture.

UNITS

Precision Agriculture	20
Applied Biological Systems Technology 145, 175, 180	10
Select 10 or more units from Plant Sciences 120 or Statistics 100, Plant Sciences 110A or Plant Biology 112, Environmental and Resource Sciences 186, Soil Science 109	10

Minor Advisers. S.K. Upadhyaya, D.K. Giles

Preventive Veterinary Medicine

See **Veterinary Medicine, School of, on page 502.**

Psychiatry

See **Medicine, School of, on page 367.**

Psychology

(College of Letters and Science)

Keith F. Widaman, Ph.D., Chairperson of the Department

Department Office. 135 Young Hall (530) 752-1880; <http://psychology.ucdavis.edu>

Faculty

Karen L. Bales, Ph.D., Assistant Professor
Shelley Blozis, Ph.D., Assistant Professor
John P. Capitanio, Ph.D., Professor
Cameron S. Carter, M.D., Professor
(*Psychiatry and Behavioral Sciences*)
Rand Conger, Ph.D., Professor
David Corina, Ph.D., Professor
Richard G. Coss, Ph.D., Professor
Robert A. Emmons, Ph.D., Professor
Emilio Ferrer, Ph.D., Assistant Professor
Simona Ghetti, Ph.D., Assistant Professor
Gail S. Goodman, Ph.D., Professor

Katharine Graf Estes, Ph.D., Assistant Professor
Kevin Grimm, Ph.D., Assistant Professor
Gregory M. Herek, Ph.D., Professor
Petr Janata, Ph.D. Assistant Professor
Joel T. Johnson, Ph.D., Professor
Leah A. Krubitzer, Ph.D., Professor
Kristin Lagattuta, Ph.D., Assistant Professor
Debra L. Long, Ph.D., Professor

Academic Senate Distinguished Teaching Award
Steven Luck, Ph.D., Professor

George R. Mangun, Ph.D., Professor
Sally P. Mendoza, Ph.D., Professor
Research Faculty

Lisa Oakes, Ph.D., Professor
Donald H. Owings, Ph.D., Professor
Cynthia Pickett, Ph.D. Associate Professor
Robert B. Post, Ph.D., Professor
Charan Ranganath, Ph.D., Associate Professor
Susan Rivera, Ph.D., Assistant Professor
Richard W. Robins, Ph.D., Associate Professor
Jeffrey Schank, Ph.D., Associate Professor
Phillip R. Shaver, Ph.D., Professor
Jeffrey W. Sherman, Ph.D. Professor
Dean K. Simonton, Ph.D., Professor

UC Davis Prize for Teaching and Scholarly Achievement

Stanley Sue, Ph.D., Professor
UC Davis Prize for Teaching and Scholarly Achievement

Tamara Swaab, Ph.D., Associate Professor
Ross Thompson, Ph.D., Professor
Brian Trainor, Ph.D., Assistant Professor
Matthew Traxler, Ph.D., Associate Professor
David Whitney, Ph.D., Assistant Professor
Keith F. Widaman, Ph.D., Professor
Andrew P. Yonelinas, Ph.D., Professor
Nolan Zane, Ph.D., Professor

Emeriti Faculty

Linda P. Acredolo, Professor Emerita
Jarvis R. Bastian, Ph.D., Professor Emeritus
Alan C. Elms, Ph.D., Professor Emeritus
Karen P. Ericksen, Ph.D., Professor Emerita
Albert A. Harrison, Ph.D., Professor Emeritus
Kenneth R. Henry, Ph.D., Professor Emeritus
Neal E. A. Kroll, Ph.D., Professor Emeritus
Peter R. Marler, Ph.D., Professor Emeritus
William A. Mason, Ph.D., Professor Emeritus
G. Mitchell, Ph.D., Professor Emeritus
Robert M. Murphey, Ph.D., Professor Emeritus
Thomas Natsoulas, Ph.D., Professor Emeritus
Theodore E. Parks, Ph.D., Professor Emeritus
Robert Sommer, Ph.D., Professor Emeritus
Charles T. Tart, Ph.D., Professor Emeritus

Affiliated Faculty

Katherine Gibbs, Ph.D., Lecturer
Jacqueline Horn, Ph.D., Lecturer
Elizabeth Post, Ph.D., Lecturer
Joanna Scheib, Ph.D., Adjunct Assistant Professor
Eva Schepler, Ph.D. Lecturer

The Major Programs

The psychology program at UC Davis is broad and includes students and faculty with a variety of interests. The department has developed around five major areas of emphasis: Developmental Psychology, which involves the study of changes in behavior and abilities that occur as development proceeds and includes such topics as imaging the developing brain, development of self esteem, problem solving, attachment theory, symbolic representation in infants and children, development of children's understanding of mental states; Perception-Cognition, which involves the study of awareness and thought, and includes such topics as perception, learning, memory, and consciousness; Psychobiology, which involves the study of the biological correlates of behavior and includes such topics as physiological psychology, sensory processes, health psychology, and animal behavior; Social-Personality Psychology, which involves the study of the individual in his or her social environment and includes such topics as personality theory, abnormal psychology, individual differences, developmental psychology, and social psychology; and Quantitative which involves the

study of linear models and psychometrics which includes topics, such as experimental design and the analysis of variance, regression analysis, and multivariate analysis.

The department offers the Bachelor of Arts (A.B.) program for students interested in the liberal arts and the Bachelor of Science (B.S.) program geared for students with an interest in either biology or mathematics. The main objective of both programs is a broad introduction to the scope of contemporary psychology. In addition to completing a number of common core courses for their degree, students may take specialty courses on such far-ranging topics as sex differences, genius and creativity, environmental awareness, and organization psychology. The department strongly encourages students to become involved in individual research projects under the direction of faculty members and to participate in our internship program to broaden your experiences and understanding of the field of psychology.

Preparatory Requirements. Before declaring a major in psychology, students must complete the following courses with a combined grade point average of at least 2.500. All courses must be taken for a letter grade. (Students in the Bachelor of Science, Biology program must complete Biological Sciences 2A.):

Psychology 1, 41	8 units
Statistics 13 or 102	4 units
Biological Sciences 2A	
or	
Biological Sciences 10 and one course from Anthropology 1, Molecular and Cellular Biology 10, Neurobiology, Physiology, and Behavior 10	4 or 8 units
Sociology or cultural anthropology	4 units

Career Alternatives. A degree in psychology provides broad intellectual foundations which are useful to the graduate for the development of careers in a variety of areas, including social work, the ministry, teaching, business, and counseling. An undergraduate education in psychology also provides excellent preparation for graduate study. Individuals with degrees in psychology may enter graduate programs to prepare for teaching, research, or clinical/counseling careers in psychology, or may go on to professional schools for training in veterinary and human medicine, law, and other professions.

A.B. Major Requirements:

UNITS

Preparatory Subject Matter..... 20-25

Psychology 1 or the equivalent	4
Psychology 41	4
Statistics 13 or 102	4
Strongly recommended that Psychology 41 and Statistics 13 or 102 be completed in the first year.	
Biological Sciences 2A; or a combination of Biological Sciences 10 and one course from Anthropology 1, Molecular and Cellular Biology 10, or Neurobiology, Physiology, and Behavior 10	4-8
One course in sociology or cultural anthropology; may be lower or upper division, minimum of 4 units	4-5

Depth Subject Matter 40

Two courses from two of the following four groups and one course from the remaining two groups	23-24
Group A: Psychology 100, 130, 131, 132, 135	
Group B: Psychology 101, 113, 121, 122, 123, 126, 127, 129	
Group C: Psychology 151, 152, 154, 161, 162, 168	
Group D: Psychology 140; or Human Development 100A or 100B, Psychology 141/Human Development 101, Psychology 142/Human Development 102	
Additional units to achieve a total of 40 upper division units in psychology	16-17
A maximum of 12 approved upper division Human Development units can be credited	

Quarter Offered: I=Fall, II=Winter, III=Spring, IV=Summer; 2009-2010 offering in parentheses

General Education (GE) credit: ArtHum=Arts and Humanities; SciEng=Science and Engineering; SocSci=Social Sciences; Div=Social-Cultural Diversity; Wrt=Writing Experience