Courses in Horticulture (HRT)

Graduate Courses

203. Research Perspectives in Horticulture (3)
Lecture—1 hour; lecture/discussion—2 hours. Prerequisite: Plant Biology 111 and 112, or Environmental Horticulture 102 or the equivalent. Following lectures/discussions of scientific methodology, students develop research proposals aided by class discussions and individual interactions with instructors. Lectures and critiques of "classical papers" provide a sense of the evolution of the current concepts in perennial plant biology. Offered in alternate years.— II. (II) De Jong, van Kessel

251. Modeling Horticultural Systems (4)
Lecture—3 hours, laboratory—2 hours. Prerequisite: Plant Sciences 142, calculus, or consent of instructor. Development and application of models. Emphasis on physiological and ecological models, with examples from areas of interest to class participants. Applications to horticultural systems.— II. (III) Lieth

290. Seminar (1)
Seminar—1 hour. Prerequisite: graduate standing at UCD. Seminars presented by invited speakers, students, or faculty on selected topics in horticulture. (S/U grading only)— III. (III)

298. Group Study (1-5)

Human Anatomy

See Courses in Cell Biology and Human Anatomy (CHA), on page 394.

Human and Community Development

(College of Agricultural and Environmental Sciences)

Patsy Ebanks Owens, Ph.D., Chairperson of the Department

Frank Hirtz, Ph.D., Vice-Chair of the Community and Regional Development Program

Zhe Chen, Ph.D., Vice-Chair of the Human Development and Family Studies Program

Department Advising Office. 1303 Hart Hall (530) 752-2244, 752-1805; http://hcd.ucdavis.edu

Faculty—Community and Regional Development

Christopher Benner, Ph.D., Associate Professor

Ryan Galt, Ph.D., Assistant Professor

Luis E. Guarnizo, Ph.D., Professor

Frank Hirtz, Ph.D., Sr. Lecturer SOE

Martin F. Kenney, Ph.D., Professor

Jonathan London, Ph.D., Assistant Professor

Thomas Tomich, Ph.D., Professor

Emeriti Faculty

Stephen Brush, Ph.D., Professor Emeritus

Isao Fujimoto, Ph.D., Lecturer SOE Emeritus

James I. Grieshop, Ph.D., Specialist in Cooperative Extension Emeritus

Michael P. Smith, Ph.D., Distinguished Professor Emeritus

Mairan Wells, Ph.D., Professor Emerita

Alvin D. Sokolow, Ph.D., Specialist in Cooperative Extension Emeritus

Janet Momsen, Ph.D., Professor Emerita

Distinguished Graduate Mentoring Award
Human Development

Joan Wright, Ph.D., Specialist in Cooperative Extension Emerita

Affiliated Faculty
David Campbell, Ph.D., Specialist in Extension
Laurie Lippin, Ph.D., Continuing Appointment Lecturer
Bernadette Tarallo, Ph.D., Continuing Appointment Lecturer
Robert Wiener, Ph.D., Continuing Appointment Lecturer

Faculty, Human Development and Family Studies
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Zhe Chen, Ph.D., Professor
Katherine Conner, Ph.D., Associate Professor
Randy Conner, Ph.D., Professor
Amanda Cuyer, Ph.D., Assistant Professor
Lawrence V. Harper, Ph.D., Professor
Lisa Miller, Ph.D., Associate Professor
Adrienne Nishina, Ph.D., Assistant Professor
Seth A. Ober, Ph.D., Professor

Emeriti Faculty
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Brenda Bryant, Ph.D., Professor Emerita
Richard Ponzo, Ph.D., Extension Specialist Emeritus
Emmy E. Werner, Ph.D., Extension Specialist Emerita

Affiliated Faculty
Jennifer Gonzales, Child Development Demonstration Lecturer
Julia Luckenbill, Child Development Demonstration Lecturer
Lenna Ontai Ph.D., Associate Specialist in Cooperative Extension
Kellie Swibbell, Child Development Demonstration Lecturer

Major Programs. See Community and Regional Development, on page 203 and Human Development, on page 342.

Human Development

[College of Agricultural and Environmental Sciences] Faculty. See Department of Human and Community Development, on page 341.

The Major Program

Human development explores the developmental process in humans throughout the life cycle. Biological, cognitive, and personality-sociocultural aspects of development are studied.

The Program. Human development majors complete a group of preparatory courses in anthropological, general biology, genetics, history, philosophy, physiology, psychology, and statistics. Upper division students can design their programs in consultation with a faculty member to emphasize a particular interest. For instance, students can study the cognitive, social, and biological aspects of human development with a focus on childhood or adult development.

Internships and Career Alternatives. At least one practicum course is required. A second practicum or supervised internship can be used to fulfill the restricted elective requirement for the major. In addition, students can intern in schools, early childhood education or senior centers, hospitals, rehabilitation centers, probation offices, group foster homes, mental health clinics, or as tutors for handicapped or bilingual students. Human development graduates fill a wide variety of positions in preschools, elementary and special educational settings, programs designed for at-risk families, and the elderly, as well as governmental jobs related to social services for people of all ages. Students who emphasize biological aspects of human development can apply to medical school or pursue training for positions in the health sciences. Human development prepares students to pursue advanced degrees in behavioral and social sciences, education, social work, family law, or health sciences.

Preparatory Requirements. UC Davis students who wish to change their major to Human Development must complete the following courses with a combined grade point average of at least 2.500. All of the following courses must be taken for a letter grade:

- Psychology 1
- Statistics 10 or 13 or Psychology 41 or Sociology 46A and 46B.
- One course from Anthropology 1, 2 or 15
- One course from Biological Sciences 2A, 10, 101; Microbiology 10, Molecular Cellular Biology 10; or Neurobiology, Physiology, and Behavior 10, 12 or 101

B.S. Major Requirements:

Preparatory Subject Matter: 38-46

Two courses from: Anthropology 1, 2, or 15

One course from: Biological Sciences 2A, 10, Microbiology 10, Physiology, and Behavior 12.

One course from: Molecular Cellular Biology 10 or Biological Sciences 101.

One course from: History 17A, 17B, 72A, 72B, or Political Science 1.

Two courses from Philosophy 5, 30, 31, 32, or 38.

One course from Neurobiology, Physiology, and Behavior 10, 101, or Psychology 101.

Psychology 1

One course from: Psychology 41 or Sociology 46A and 46B, or Statistics 10 or 13.

Depth Subject Matter: 50-55

Life Span: Human Development 100A, 100B, 100C

Research Methods: Human Development 120

At least one of the courses from the Depth Subject groups listed below must focus on childhood/adolescence (101, 102, 103, 110, 130, 132) and one on adulthood/aging (117, 143, 160, 161, 162, 163)

Biological Processes: one course from Biological Sciences 101, Human Development 117, Nutrition 111A, or Physiology 121.

Cognitive Processes: one course from Human Development 100A and 100B.

Human Development 102, 110, 130, 160, or 162.

Cognitive Processes: one course from Human Development 101, 103, 123, 161 or 163.

Practicum: one course from Human Development 140-140L or 141 or 143.

Restricted Electives: 19-20

Five additional upper division courses chosen from among Human Development courses or from a list of restricted electives in consultation with the major adviser. May include only one practicum course.

English Composition Requirement: 4

In addition to the College English Composition requirements, choose one from University Writing Program 101, 102A, 102B, 102C, 102D, 102E, 102F, 102G, 102H, 104A, 104B, 104C, 104D, 104E, 104F.

Total Units for the Major: 93-105

1 Biological Sciences 101 cannot be used to satisfy both the Preparatory Subject Matter and the Depth Subject Matter Requirements.

Major Adviser. Zhe Chen

Minor Program Requirements:

The Department of Human and Community Development offers two minors.

Aging and Adult Development: 21-26

Human Development 100C, 117, 143, 160, 161, 162, or 163 15-18

Select two courses from the following: Human Development 110, Community and Regional Development 173; Psychology 121, 123, 126, 155; Sociology 127.

Minor Adviser. L. Miller, B. Ober

Human Development: 20

Human Development 100A and 100B.

Human Development 100C or 110 8

Two courses from Human Development 101, 102, 103, 130, 132, 161 or 163...

Minor Adviser, K. Conger

Graduate Study. Graduate study is available through a Master of Science degree in child development, and a Ph.D. degree in human development. See also Graduate Studies, on page 311.

Courses in Human Development (HDE)

Questions pertaining to the following courses should be directed to the instructor or to the Human and Community Development Advising office in 1303 Hart Hall (530) 752-2244.

Lower Division Courses

12. Human Sexuality (3)

Lecture—3 hours. Vocabular's structure/function of reproductive system; sexual response; premarital, marital, and postnatal pregnancy and childbirth; development of sexuality; rape and sexual assault; birth control; sexually transmitted diseases; homosexuality; establishing/maintaining intimacy; sexual dysfunctions; communication; enhancing sexual interaction, cultural differences in attitudes towards sexuality. GE credit: Div. A/C GCH, DD, SS—III, II, II, III.

92. Internship (1-12)

Internship—3.36 hours. Prerequisite: field work experience or at least one course (e.g., course 100A, 100B, 140 or 140L) related to fieldwork assignment; consent of instructor. Supervised internship, off campus and on campus, in community and institutional setting. May be repeated for credit for a total of 12 units or it involves progressively greater (supervised) participation in program delivery or assessment. [P/NP grading only]. I, II, III; II, III, III.

98. Directed Group Study for Undergraduates (1-5)

Prerequisite: consent of instructor. [P/NP grading only].

99. Special Study for Undergraduates (1-5)

[P/NP grading only].

100A. Infancy and Early Childhood (4)

Lecture—4 hours. Prerequisite: Psychology 1, Biological Sciences 1A, or 2A, or 10. Biological, social, and cultural influences in the psychological growth and development of children, prenatal through age six. Two observations of preschool children required.—I, II, I, II, I, II, III, Harper, Kraft.

100B. Middle Childhood and Adolescence (4)

Lecture—4 hours. Prerequisite: course 100A, 120, or the equivalent; introductory biology. Interplay of biological and social-cultural factors in the emotional, cognitive and social development from middle childhood through adolescence.—II, II, II, III, I, Guey, Nishina.

100C. Adulthood and Aging (4)

Lecture—4 hours. Prerequisite: Psychology 1 or 15. Development during early, middle, and late adulthood: biological, cognitive, and psycho-social aspects of adult development. Emphasis on normative patterns of development which characterize “successful aging”—I, II, III, Miller, Ober.