Statistics (A Graduate Program)

Thomas (C.M.) Lee, Ph.D., Chairperson of the Program
Jie Peng, Ph.D., Vice Chairperson for Graduate Affairs
Program Office, 411B Mathematical Sciences Building 530-752-8380; Fax 530-752-9050 http://www.stat.ucdavis.edu

Faculty
Ethan Anderes, Ph.D., Associate Professor (Statistics)
Alessandro Azevedo, Ph.D., Associate Professor (Statistics)
Laurel Beckett, Ph.D., Professor (Public Health Sciences)
Paul Baines, Ph.D., Assistant Professor (Statistics)
Prabal Burman, Ph.D., Professor (Public Health Sciences)
Colin Cameron, Ph.D., Professor (Economics)
Hao Chen, Ph.D., Assistant Professor (Statistics)
Christianina Drake, Ph.D., Professor (Statistics)
Chol-Uhi Hsieh, Ph.D., Assistant Professor (Statistics)
Fushing Hsieh, Ph.D., Professor (Statistics)
Jiming Jiang, Ph.D., Professor (Statistics)
Oscar Jordia, Ph.D., Professor (Economics)
Thomas Lee, Ph.D., Professor (Statistics)
Xiaodong Li, Ph.D., Assistant Professor (Statistics)
Myles Lopes, Ph.D., Assistant Professor (Statistics)
Hans-Georg Muller, M.D., Ph.D., Professor (Statistics)
Debashis Paul, Ph.D., Associate Professor (Statistics)
Jie Peng, Ph.D., Professor (Statistics)
Wolfgang Polonik, Ph.D., Lecturer (Statistics)
Naoki Saito, Ph.D., Professor (Mathematics)
James Sharpnack, Ph.D., Assistant Professor (Statistics)
Duncan Temple Lang, Ph.D., Professor (Graduate School of Management)
Jane-Ling Wang, Ph.D., Professor (Statistics)

Emeriti Faculty
Rudolph Beran, Ph.D., Professor Emeritus
P.K. Bhattacharya, Ph.D., Professor Emeritus
Thomas B. Farver, Ph.D., Professor
George E. Roussas, Ph.D., Professor Emeritus
Francisco J. Samaniego, Ph.D., Professor Emeritus
Robert H. Shumway, Ph.D., Professor Emeritus
Alvin D. Wiggins, Ph.D., Professor Emeritus

Affiliated Faculty
Rahman Aazizi, Ph.D., Lecturer (Statistics)

Graduate Study, The Graduate Group in the Study of Religion offers students classical training in the literatures of particular religious traditions, and they are encouraged to understand these traditions at the intersection of contemporary thematic and regional phenomena.

Students have the opportunity to concentrate primarily in one of three areas, the study of American religious cultures, Mediterranean religions, and Asian religions. An additional regional specialization typically serves as a secondary area of competence. Students further shape their scholarship through intensive engagement in one of the following thematic specializations: Values, Ethics, and Human Rights; Modernity, Science, and Secularism; Visual Culture, Media, and Technology; Language, Rhetoric, and Performance; Body and Praxis; Theory and Method.

This curriculum guides students through a rigorous course of study, providing the breadth and depth necessary to produce engaging, rigorous scholarship at forefront of the field of Religious Studies. Graduate Group training prepares students for careers in academia as well as in the government and the private sector.

Preparation. Admission to the Graduate Group requires a Bachelor's or Master's degree in a discipline relevant to the study of religion, as well as preparation in at least one language relevant to the intended area of primary research. The group requires three letters of recommendation and a sample of recent written work. The general GRE is also required.

Graduate Adviser. Contact the Group office.

Courses in Study of Religion (REL)

Graduate

200A. Historical Roots of the Study of Religion (4)
Seminar—3 hours; term paper. Prerequisite: graduate standing or consent of instructor. Consideration of the historical and philosophical formation of religion as a concept. Treats the emergence of religion as a category of analysis and understanding from the Reformation through the Enlightenment. — F. (Coudert, Janowitz, Stolzenberg)

200B. Foundational Theories of Religion (4)
Seminar—3 hours; term paper. Prerequisite: graduate standing or consent of instructor. Survey of classical 19th and 20th century approaches to the study of religion. — W. (Coudert, Janowitz, Syed)

200C. Contemporary Approaches to the Study of Religion (4)
Seminar—3 hours; term paper. Prerequisite: graduate standing or consent of instructor. Consideration of major themes, issues and methods in the contemporary study of religion. Perspectives from diverse cultural settings employed to consider modern historical, philosophical, and social contexts that inform understandings of religion. — S. (Coudert, Janowitz, Stolzenberg, Miller, Syed)

200D. Field Profile Seminar I and II (1-2)
Project: Prerequisite: graduate standing or consent of instructor. Individually guided research to survey the field of study, under the supervision of a faculty member. Four units total over two or more quarters are required by the end of the second year. May be repeated for credit. — F, S. (W. S.)

210A. Special Topics in American Religious Cultures (4)
Seminar—3 hours; term paper. Prerequisite: graduate standing or consent of instructor. Comparative, interpretive study of the treatment of specific topics in American religious cultures. May be repeated for credit when topic differs. Offered irregularly.

210B. Special Topics in Asian Religious Cultures (4)
Seminar—3 hours; term paper. Prerequisite: graduate standing or consent of instructor. Comparative, interpretive study of the treatment of specific topics in Asian religious cultures. May be repeated for credit when topic differs. Offered irregularly.
Sustainable Agriculture and Food Systems

[College of Agriculture and Environmental Sciences]
Sustainable Agriculture and Food Systems is an interdisciplinary major hosted by the Department of Human Ecology.
Ryan Galt, Ph.D., Major Adviser
Program Office, 143 Robbins Hall; 530-752-3915; http://asi.ucdavis.edu

The Major Program

The Sustainable Agriculture and Food Systems (SA&FS) major serves students interested in improving the sustainability of agriculture and food systems. This major provides students with the interdisciplinary and systems-based aspects of sustainability and prepares them with the knowledge, leadership skills and experiences required to excel in agricultural and food systems professions.

The Program

This program is designed to develop students' competencies related to understanding the environmental, social, and economic challenges and opportunities associated with agricultural and food systems sustainability. The program emphasizes an experiential learning approach to sustainability education, allowing students to choose between three tracks within the major. Students in the Agriculture and Ecology track focus on crop and animal production systems, ecology, and practices that mitigate negative impacts while producing environmental and social benefits. Students in the Food and Society track focus on issues related to the social, cultural, political and community development aspects of agriculture and food systems. Students in the Economics and Policy track focus on issues related to agricultural and resource economics, policy, and management.

The program provides students with practical experiences through courses with on- and off-campus fieldwork and through internship placements at sites related to students' interests and focus of study.

Internships and Career Alternatives

Sustainable Agriculture and Food Systems students are required to complete an internship in the field before graduation. Internships have been arranged with local, county, and state agricultural agencies, production farms and commercial processors and retailers, domestic and international non-governmental organizations, and rural and urban community development programs. Graduates are prepared to pursue a broad range of careers related to agricultural production and food system management, rural and urban community services, education and development, and agricultural and environmental sciences, as well as careers in agricultural, environmental, and economic policy and analysis. Positions may be in private industry, government and public service agencies and in the non-profit sector, nationally and internationally. The major also prepares students for graduate studies in a wide range of fields related to agriculture and food systems.

B.S. Major Requirements:

UNITS
English Composition Requirement...........4-8

See College requirement, must include Communications 1.

Core Courses ..............................................24-26

- Plant Sciences 15 .................................4
- Community and Regional Development .20  .......4
- Plant Sciences 150 ............................4
- Agricultural and Resource Economics 121 ....4
- Plant Sciences 190 ............................2-4
- Environmental Science and Policy 191A, 191B .............6

Internship Requirement.......................12

Students must complete at least 12 units of internship, eight of which must be completed off campus.

Applied Production................................6-9

Select 1 course from: Animal Science 49A, Animal Science 411, Animal Science 411L 2-3
Select 1 course from: Agricultural and Biological Systems Technology 49, 52, 101, 142 ....2-3

Track I: Agriculture and Ecology

Focuses on crop and animal production systems, ecology, and practices that mitigate negative impacts while producing environmental and social benefits.

Track I Adviser, W. Horvath, Ph.D.

Preparatory Subject Matter.......................60-61

- Mathematics 16A, 16B ................................6
- Plant Sciences 120 or Statistics 104 ....4
- Chemistry 2A, 2B ................................28
- Physics 1A .............................................10
- Biological Sciences 2A, 2B ......................10
- Plant Sciences 2 .......................................4
- Animal Sciences 1 or 2 ............................4
- Food Science 1 .........................................4
- Economics 1A .........................................4
- Community and Regional Development 1, 4
- Select one course from: Philosophy 14, 15, 24, 24 ....4
- Select one course from: Anthropology 2
- Political Science 4, Sociology 1, Sociology 3 4-5
- Soil Science 100 or Soil Science 109 ....3-4
- Environmental Science and Policy 161 or 169 ....3-4
- Soil Science 100 or Soil Science 109 ....3-4