partitioning; sampling; size and chemical analysis; atmospheric aerosols; and environmental effects. Cross-listed with CHEM 245 and ENTX 245. 

SWSC 250. Seminar in Soil and Water Sciences (1-2) F, W, S Seminar, 1 hour. Formal seminars on selected topics in the field of soil and water sciences by graduate students, staff, and invited scholars. Two units of credit for students who present seminars and one unit of credit for students enrolled. Graded Satisfactory (S) or No Credit (NC). Course is repeatable.

SWSC 262. Wetlands Biogeochemistry Seminar (2) Seminar, 2 hours. Prerequisite(s): CHEM 136/ENSC 136/ENTX 136/SEAS 136 or ENSC 104/SESC 104; ENSC 141/MCBL 141/SESC 141; or consent of instructor. Involves oral reports and discussion by students, faculty, and visiting scholars on current research topics in biogeochemical cycling in wetland environments. Emphasis is on environmental quality issues, use of constructed wetlands as recipients of various wastewaters, and the role of wetlands in global nutrient cycles and thus climatic change. Graded Satisfactory (S) or No Credit (NC). Course is repeatable.

SWSC 298-I. Individual Internship (1-12) Individual study, 3-18 hours. Prerequisite(s): graduate standing and consent of instructor. Individual studies on specially selected topics in soil and water sciences under the direction of a staff member. No more than four units may be applied toward the unit requirements for the Master’s degree. Graded Satisfactory (S) or No Credit (NC). Course is repeatable to a maximum of 8 units.

SWSC 297. Directed Research (1-6) conference and research, variable time. Graded Satisfactory (S) or No Credit (NC).

SWSC 299. Research for Thesis or Dissertation (1-2) conference and research, variable time. Graded Satisfactory (S) or No Credit (NC).

Professional Course

SWSC 302. Teaching Practicum (1-4) F, W, S Practicum, 4-12 hours. Prerequisite(s): graduate standing. Supervised teaching in Soil and Water Sciences or Environmental Sciences courses. Required for all teaching assistants in Soil and Water Sciences. Graded Satisfactory (S) or No Credit (NC). Course is repeatable.

Southeast Asian Studies Graduate Program

Subject abbreviation: SEAS

College of Humanities, Arts, and Social Sciences

Hendrik M.J. Maier, Ph.D., Director
Program Office, 2402 Humanities and Social Sciences
(951) 827-5007; seatrip.ucr.edu

Committee in Charge
Marim Beevi Lam, Ph.D. (Comparative Literature and Foreign Languages)
René T.A. Lysloff, Ph.D. (Music)
Sally A. Ness, Ph.D. (Anthropology)
Deborah A. Wong, Ph.D. (Music)

Graduate Program

The Master’s Program in Southeast Asian Studies is an interdepartmental program centered on the study of the arts and cultures of Southeast Asia and its diasporas. To understand Southeast Asia as a region, students need to make sense of and engage with its diverse expressive forms of culture (including visual arts, literature, and performance) which are crucial in building and maintaining individual as well as group identity both within and across national or ethnic boundaries.

This program is designed for students with a strong interest in Southeast Asia, including those already admitted or enrolled in another graduate program. Students can be concurrently enrolled in both the Southeast Asian Studies M.A. program and another graduate degree program.

Admission

All applicants must fulfill the standard admission requirements as established by the Graduate Division. Additionally, applicants must submit a Statement of Purpose to indicate a serious interest in Southeast Asian Studies (or a specific country or area in this region) as well as a writing sample (such as a past term paper or course essay) to demonstrate basic skills of scholarship.

Foreign Language

Students must acquire (or increase) a distinct level of proficiency in at least one language relevant to Southeast Asian Studies prior to beginning research for the thesis and no later than the fifth quarter in the program. The required proficiency can be demonstrated by way of an exam or by completing one year of course work with a “B” or better.

International students from Southeast Asia may use their native language to fulfill this requirement.

Course Work

All students are required to pass the Proseminar in Southeast Asian Studies (SEAS 200) with a “B” or better. Additionally, students must pass (with a “B” or better) four of the following six seminar courses:

- SEAS 201 Southeast Asian performance
- SEAS 202 Southeast Asian religions
- SEAS 203 Southeast Asian cultures
- SEAS 204 History of Southeast Asia
- SEAS 205 Literatures of Southeast Asia
- SEAS 206 Media in Southeast Asia

In addition, students can select four other graduate seminars or approved upper division undergraduate courses in accordance with their main field of interest and after approval by the Graduate Advisor and the student’s Thesis Committee. A total of 48 units of coursework, including thesis, are required for the degree in Southeast Asian Studies.

Students concurrently enrolled in another graduate program may, when appropriate, include units earned in that program toward the 48 units of the M.A. in Southeast Asian Studies. However, there must be at least 36 units uniquely applied to the Southeast Asian Studies degree.

Plan I (Thesis)

Students enrolled in the Southeast Asian Studies Graduate Program (for the terminal M.A.) must submit an essay (thesis) of 30-40 pages reflecting original research, written under the supervision of a member of the program who also functions as the chair of their Thesis Committee. At the beginning of the second year students should write a research proposal outlining their research project. Approximately ten pages in length this proposal should describe the aims of the research and provide a broader theoretical framework. After this is approved students begin to conduct individual research in the field or in the library. Students must enroll in a minimum of 8 units of thesis study under the supervision of a Southeast Asian Studies faculty. Before filing the thesis with the Graduate Division students must pass a formal oral examination.

Plan II (Comprehensive Exam)

Students concurrently enrolled in another degree program requiring an M.A. thesis may (with the approval of the Southeast Asian Studies faculty) be awarded the M.A. degree by passing a comprehensive examination.

University Requirements

All master’s students must be enrolled for at least three quarters to fulfill the University residency requirement and must hold at least a 3.00 GPA in all upper division and graduate level course work related to the degree. A minimum of 48 units must be completed of which 36 must be graduate level (200 level) or approved upper division undergraduate (100 level) and apply only to the M.A. in Southeast Asian Studies.

Normative Time to Degree

Two years

In addition, students can select four other graduate seminars or approved upper division undergraduate courses in accordance with their main field of interest and after approval by the Graduate Advisor and the student’s Thesis Committee. A total of 48 units of coursework, including thesis, are required for the degree in Southeast Asian Studies.

In addition, students can select four other graduate seminars or approved upper division undergraduate courses in accordance with their main field of interest and after approval by the Graduate Advisor and the student’s Thesis Committee. A total of 48 units of coursework, including thesis, are required for the degree in Southeast Asian Studies.
Graduate Courses

SEAS 145. Buddhism in Southeast Asia (4) Lecture, 3 hours; outside research, 3 hours. Prerequisite(s): RLST 106 or consent of instructor. Explores various texts, magical practices, forms of meditation, rituals, and beliefs of ancient and modern Buddhism, focusing on the ways in which they are transformed by nuns, monks, and the laity in Burma, Cambodia, Laos, Thailand, and California. Cross-listed with RLST 145.

SEAS 200. Topics in Southeast Asian Studies (4) Seminar, 3 hours; written work, 2 hours; term paper, 1 hour. Prerequisite(s): graduate standing or consent of instructor. An introduction to the world of Southeast Asia and the scholarly discussions about it, with an emphasis on cultural aspects, embedded in their historical context. Materials are in English. Course is repeatable as content changes to a maximum of 12 units. Cross-listed with CPLT 200.

SEAS 203. Southeast Asian Cultures (4) Seminar, 3 hours; extra reading, 3 hours. Prerequisite(s): graduate standing or consent of instructor. Introduces students to central historical problems, historiographical debates, materials, and theoretical approaches in Southeast Asian history. Readings each week focus on a different theme. Course is repeatable to a maximum of 8 units. Cross-listed with HIST 242.

SEAS 204. Approaches to Southeast Asian History (4) Seminar, 3 hours; extra reading, 3 hours. Prerequisite(s): graduate standing or consent of instructor. Introduces students to central historical problems, historiographical debates, materials, and theoretical approaches in Southeast Asian history. Readings each week focus on a different theme. Course is repeatable to a maximum of 12 units. Cross-listed with ANTH 203.

SEAS 205. Literature of Southeast Asia (4) Seminar, 3 hours; extra reading, 3 hours. Prerequisite(s): graduate standing or consent of instructor. Introduces students to central historical problems, historiographical debates, materials, and theoretical approaches in Southeast Asian history. Readings each week focus on a different theme. Course is repeatable to a maximum of 8 units. Cross-listed with HIST 242.

SEAS 243A. Seminar in Southeast Asian History (4) Seminar, 3 hours; outside research, 3 hours. Prerequisite(s): graduate standing or consent of instructor. Discusses Southeast Asian topics from regional, comparative, and local perspectives. May be undertaken as a one- or two-quarter course (HIST 243A/SEAS 243A, HIST 243B/SEAS 243B). After completing both HIST 243A/SEAS 243A and HIST 243B/SEAS 243B, students may repeat the sequence once for credit; total credit for each course may not exceed 8 units. Cross-listed with HIST 243B.

SEAS 290. Directed Studies (1-6) Individual study, 3-18 hours. Prerequisite(s): consent of instructor and graduate advisor. Directed study to meet special curricular needs. Graded Satisfactory (S) or No Credit (NC). Course is repeatable.

SEAS 292. Concurrent Analytical Studies in Southeast Asian Studies (1-4) Individual study, 3-12 hours. Prerequisite(s): graduate standing, consent of instructor and graduate advisor. Taken concurrently with a 100-series course, but on an individual basis. Devoted to research, criticism, and written work at the graduate level related to the 100-series course. Graded Satisfactory (S) or No Credit (NC). Course is repeatable.

SEAS 299. Research for the Thesis (1-12) Thesis, 3-36 hours. Prerequisite(s): consent of thesis director. Research and preparation for the thesis. Graded Satisfactory (S) or No Credit (NC). Course is repeatable as content changes to a maximum of 12 units. Cross-listed with CPTL 205.

SEAS 243A. Seminar in Southeast Asian History (4) Seminar, 3 hours; outside research, 3 hours. Prerequisite(s): graduate standing or consent of instructor. Discusses Southeast Asian topics from regional, comparative, and local perspectives. May be undertaken as a one- or two-quarter course (HIST 243A/SEAS 243A, HIST 243B/SEAS 243B). After completing both HIST 243A/SEAS 243A and HIST 243B/SEAS 243B, students may repeat the sequence once for credit; total credit for each course may not exceed 8 units. Cross-listed with HIST 243B.

SEAS 243B. Seminar in Southeast Asian History (4) Seminar, 3 hours; outside research, 3 hours. Prerequisite(s): graduate standing or consent of instructor. HIST 243A/SEAS 243A. Discusses Southeast Asian topics from regional, comparative, and local perspectives. Students produce a substantial research paper that continues their work from HIST 243A/SEAS 243A. May be undertaken as a one- or two-quarter course (HIST 243A/SEAS 243A, HIST 243B/SEAS 243B). After completing both HIST 243A/SEAS 243A and HIST 243B/SEAS 243B, students may repeat the sequence once for credit; total credit for each course may not exceed 8 units. Cross-listed with HIST 243B.

Statistics

Subject abbreviation: STAT

College of Natural and Agricultural Sciences

Daniel R. Jeske, Ph.D., Chair
Department Office
2626 Statistics-Computer Building
statistics.ucr.edu

Business Office
(951) 827-3774

Graduate Student Affairs
(951) 827-4716 or (800) 735-0717

CNAS Undergraduate Advising Center
1223 Pierce Hall
(951) 827-7294

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Robert J. Beaver, Ph.D.
D. V. Gokhale, Ph.D.
S. James Press, Ph.D.
Andrew A. Robertson, Ph.D.
David J. Strauss, Ph.D.

Statistical Consulting Center

Jennifer Denson, M.S.
Linda M. Penas, Ph.D.
Jill Smith, M.S.

Major

The Department of Statistics is concerned with teaching, research, and statistical consulting. The courses offered present a comprehensive spectrum of statistical and probability theory, in so far as such theory is necessary for the understanding and analysis of observational data. The applications of the theory delineated in the courses may be made in any field of experience. Laboratory classes in which examples related to the student's actual field of interest are worked out, play an essential part. The department offers both B.A. and B.S. degrees in Statistics as well as a B.S. in Statistics with options in Statistical Computing and Quantitative Management; the M.S. degree in Statistics; and the Ph.D. degree in Applied Statistics.

The courses STAT 040, STAT 048, STAT 100A, STAT 100B, STAT 104/BUS 104, STAT 110, STAT 130, STAT 140, STAT 146, and STAT 155 are intended for students of other departments who wish a knowledge of statistical techniques. Some of them may be taken as electives by statistics majors. The objective of these courses is to acquaint the student with the elements of statistics with only the necessary amount of mathematical training.

STAT 147 and STAT 157 are computer-oriented courses intended for students who would like to learn about computer programming in the most important languages and who would like to learn about statistical computing.

In addition to teaching, the Department of Statistics is responsible to the dean of the College of Natural and Agricultural Sciences and director of the Agricultural Experiment Station for collaboration with research workers in the biological and agricultural fields. A consultative service in the design, analysis, and interpretation of experimental data relating to the agricultural sciences is provided.

Computing Laboratories

The Department of Statistics has a strong applied orientation that involves the use of statistical computing while solving real world problems that arise in many disciplines. The department has two interactive multimedia computer laboratories with Pentium-class clients and a SUN Microsystems Netra server, and also has a UNIX-based laboratory that contains multiple SUN Microsystems Blade and Ultra 24 workstations. Each of the labs provides users access to a wide variety of statistical software packages and are networked to both the Internet and the campus WiFi network. The CRAY Supercomputer at the San Diego Supercomputer Center (SDSC) is also available to faculty and graduate students, as are the 30 PC workstations in a computing laboratory that is maintained by the Statistical Consulting Collaboratory.

Statistical Consulting Collaboratory

The Statistical Consulting Collaboratory provides a broad range of analytical and statistical support services, including design of experiments, statistical inference, hypothesis testing, and data modeling for the campus community, and promotes cooperative research between statisticians and other investigators in all fields of the application of statistics. The Collaboratory is