UNIV–UNIVERSITY STUDIES

UNIV 321  Undergraduate Research Methods and Practice (4)
(Also listed as HNRS 321)
Research methods and tools for sciences and humanities, including formulating a research question, designing a study, using the scientific method to conduct and analyze surveys, and analyzing data. Emphasis on working in interdisciplinary research teams. Total credit limited to 8 units. 2 lectures, 2 activities. Prerequisite: Completion of GE Areas A and B1, and consent of instructor. New course effective Winter 2009.

(Also listed as AG/HUM 330) GE Area F
Scientific investigation of the natural features of the Cal Poly landscape and their transformations by land management technology. Analysis of the environmental, economic, social, and political effects of agriculture, resource extraction, and construction technology on that landscape. Emphasis on the educational, land-use, and long term planning issues of technology presented by this case study. 4 lectures. Prerequisite: Completion of GE Areas A and B and junior standing.

UNIV 333  World Food Systems (4) GE Area F
(Also listed as POLS 333)
Integrated, interdisciplinary study of the technologies of global food production, environmental, and social issues related to the application of those technologies, and moral and ethical issues associated with global food production and distribution. Emphasis on the politics of change. 4 lectures. Prerequisite: Junior standing and completion of Area B.

UNIV 339  Disaster-Resistant Sustainable Communities (4) GE Area F
Creation of safer, more resilient cities through systematic application of urban disaster risk reduction methods that utilize the technology of GIS combined with principles from the engineering and geo-sciences. Emphasis on hazard identification and methods to lower disaster risk. 3 lectures, 1 activity. Prerequisite: Completion of GE Area B and junior standing.

UNIV 350  The Global Environment (4) GE Area F
(Also listed as AG/BUS/EDES/HUM/SCM 350)
Interdisciplinary investigation of how human activities impact the Earth’s environment on a global scale. Examination of population, resource use, climate change, and biodiversity from scientific/technical and social/economic/historical/political perspectives. Use of remote sensing maps. Sustainable solutions. 3 lectures, 1 activity. Prerequisite: Completion of GE Area B and one class from Area C.

UNIV 361  Modernism (4) (Also listed as HUM 361) GE C4
Interdisciplinary survey of the eighteenth, nineteenth and twentieth-century concepts and cultural movements known as modernism throughout Europe, North America, and Latin America. Disciplines may include architecture, art, drama, literature, music, philosophy, and photography. 4 lectures. Prerequisite: Completion of GE Area A and one class from Area C.

UNIV 391  Appropriate Technology for Impoverished Communities: Development (4) (Also listed as HNRS 391) GE D5
A broad overview of international development and appropriate design for sustainability. Besides traditional classroom work, students work in teams to address problems with technical solutions. Collaboration with mentors from the university, private sector, and nonprofits serves to provide diverse background and project mentorship. 4 lectures. Prerequisite: Completion of GE Area A, two courses from GE D1-D4 and consent of instructor. New course, effective Fall 2008.

UNIV 470  Selected Advanced Topics (1–4)
Directed group study of selected topics for advanced students. Open to undergraduate and graduate students. The Schedule of Classes will list title selected. Total credit limited to 8 units. 1 to 4 lectures. Prerequisite: Consent of instructor. New course effective Spring 2009.