Global and International Studies

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Arts and Humanities Emphasis:
One course from: Anthropology 4, 20, International Relations 1, Political Science 3 or Sociology 5.............................................4

One upper division UC Davis general course on global or international studies in the Arts and Humanities..............................................3-4

See program advisor for a list of approved courses.

Course cluster requirement..................16-17

The minor requires the selection of interrelated courses totaling a minimum of 16-17 upper division units in area and regional studies or thematic course clusters in global and international studies in the Arts and Humanities.

Suggested course clusters include:
(1) Country or region-specific courses: Western Europe, Russian and East/Central Europe, Asia and the Pacific, Latin America and South America; Africa and the Middle East; Jewish Studies; specific countries.

(2) Courses clustered around a thematic field in global and international studies: People and nationalities; the individual and society, arts, language, literature and culture.

Study Abroad and International Internships:
The course cluster requirement may be met in one of two ways: (1) completion of a minimum of 16-17 units in the course cluster emphasis by taking approved UC Davis upper division courses in the area of global/international studies and/or approved upper division courses taken while participating in a UC Davis Study Abroad, UCEAP or another approved study abroad program, or (2) completion of 12 units of course work in a UC Davis accredited international internship, plus UC Davis courses sufficient to total 16-17 units. Those students who are unable to study abroad or participate in an international internship may fulfill the requirement by taking approved global/international courses at UC Davis. Students must meet with the GIS advisor and complete a Course Cluster Worksheet to demonstrate subject interrelatedness.

Social Science Emphasis:
One course from: Anthropology 20, International Relations 1, Political Science 3, or Sociology 5.........................................................4

Quarter Offered: I=Fall, II=Winter, III=Spring, IV=Summer; 2015-2016 offering in parentheses

Pre-Fall 2011 General Education (GE): Arts & Humanities; SciEng=Science and Engineering; SocSci=Social Sciences; Div=Dominant Diversity; Wrt=Writing Experience

Fall 2011 and on Revised General Education (GE): AH=Arts and Humanities; SE=Science and Engineering; SS=Social Sciences;

ACGH=American Cultures, DD=Dominant Diversity, OL=Oral Skills, QL=Quantitative, SL=Scientific, VL=Visual, WC=World Cultures; WE=Writing Experience
the minor. Course cluster requirement may be met in one of two ways: (1) completion of a minimum of 16-17 unit courses in the cluster of interest by taking approved UC Davis upper division courses in the area of global and international studies at UC Davis accredited international internship, plus UC Davis courses sufficient to total 16-17 units. Those students who are unable to study abroad or participate in an international internship may fulfill the requirement by taking approved global/international courses at UC Davis. Students must meet with the GIS advisor and complete a Course Cluster Worksheet to demonstrate subject matter requirements.

Restrictions. No more than two courses from a single UC Davis department may be offered in satisfaction of the minor requirements.

Foreign Language Study. Students are strongly encouraged to study a foreign language, particularly the language of the country in which and about which they intend to study. However, only upper division course work may be used to fulfill requirements for the minor.

Graduate Advisors, M. Carroll (Pathology and Laboratory Medicine), E. Geraghty (General Medicine), M. Hogarth (Pathology and Laboratory Medicine), A. Odor (Nursing), P. Yellowlees (Psychiatry)

Courses in Health Informatics (MHI)

Graduate

202. Computer-Based Patient Records (4) Lecture/discussion—3 hours; discussion—1 hour. Prerequisite: current enrollment within the Health Informatics graduate program or consent of instructor. Introduction and overview of computer-based clinical record systems. Topics include data modeling, health system standards and terminologies; security, privacy and confidentiality; workflow modeling; data visualization; legal; decision support; public health; and evidence-based practice. —I, III, Odor

207. Decision Support Systems (4) Lecture—2 hours. Prerequisite: consent of instructor. Explores decision support systems for medical application. Topics include medical decision making, uncertainty, review of existing decision support systems, knowledge engineering, data mining, and knowledge based systems. —II, I Malý

208. Medical Informatics in Web-Based Enterprise Computing (4) Lecture—2 hours; discussion—2 hours. Introduction to the decision making processes and technologies that are involved in developing Web-based distributed enterprise applications in medicine. Focus on the Informatician’s role as a team member. —II, Hogarth

209. Data Acquisition and Analysis (4) Lecture—2 hours; discussion—1 hour; laboratory—3 hours. Examines the nature and acquisition, and analysis of medical data. Data ranges from signals of electrical potentials, sounds, text, images (still and motion), and data from nuclear acid and protein expression and sequencing instruments. —I, II Malý

211. Introduction to Health Informatics (4) Lecture—3 hours; discussion—1 hour. Overview course to give the student a broad exposure to the field of Health Informatics. Topics covered include, but are not limited to, networking, information systems, coding, HL7, Security and HIPAA. —I, I Malý

211V. Telemedicine (4) Web virtual lecture—3 hours; web electronic discussion—1 hour. Issues for the development and maintenance of a successful telemedicine program with focus on strategic planning, clinical applications, project management, risk management and legal issues; reimbursement and contracting; human resources and program sustainability. —I, II, III

212. Computer Security in Health Informatics (4) Lecture—3 hours; project. Prerequisite: course 210, 202, 209. Critical thinking about basic concepts in computer security and privacy. How the computer security and privacy impact health informatics, ranging from electronic health records to telemedicine to remote, virtual surgery. —II, II, I Peisert


289A-E, G, I. Special Topics in Medical Informatics (1-5) Lecture, laboratory, or combination. Prerequisite: consent of instructor. Special topics in (A) Data Acquisition, (B) Electronic Medical Information, (C) Computer Based Patient Records, (D) Decision Support, (E) Medical Image Analysis, (F) Business Informatics, (H) Modeling Biological Systems, (L) Coding Systems. May be repeated for credit when topic differs. —I, II, III, I, II, III