

Graduate Course Descriptions Effective Fall 2007

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Social Sciences**SS 5010 - Directed Study**

Directed readings or research conducted under the direction of a member of the graduate faculty. Students must meet with their supervising instructor and receive approval of their study plan before registering.

Credits: variable to 4.0; Repeatable to a Max of 9

Semesters Offered: Fall, Spring, Summer

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate

SS 5100 - Global Environmental Systems

Survey of literature that connects global biological and physical processes with human adaptations, interventions and social systems. Study of range of human systems adapted to living in and with the environment. Topics include energy balance and transfer in the earth environment, ecosystems and energy flow, human intervention into geomorphological processes.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5150 - Natural Hazards and Human Impacts

The interaction of humans and environment is examined through field study on the Keweenaw Peninsula. Focus on natural hazards, geological and geographical landscapes and processes. Integrates scientific and social scientific content knowledge with pedagogical approaches for K-12 teachers.

Credits: 3.0

Lec-Rec-Lab: (0-1-6)

Semesters Offered: Summer

Restrictions: May not be enrolled in one of the following Class(es): Freshman, Sophomore, Junior

SS 5200 - Environmental Decision Making

Group practicum in environmental decision making. Focuses on facilitating the decision making process associated with a community-based environmental concern or policy choice. Past projects include efforts to facilitate public participation in developing a forest management plan and participating in a review of the Torch Lake Area of Concern.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5300 - Environmental Policy and Politics

An overview of environmental policymaking and politics in the U.S. Emphasizes policies regarding air and water pollution, toxics and hazardous waste. Discussion of rulemaking, enforcement, and administration of laws by EPA. Investigation of environmental politics on national and community levels, with focus on social movements and citizen participation.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5350 - Environmental Policy Analysis

The role of economic analysis in environmental policy, including a detailed review of the major tools that are used at the federal, state, regional, and local levels. Special emphasis on benefit-cost analysis and comparative risk analysis.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

Pre-Requisite(s): SS 5300

SS 5400 - Sociology of the Environment

Provides students with an introduction to basic sociological concepts as they apply human relationships to the environment. Topics include social values, organizations, norms, ideologies, and political systems. Themes will include the relationship of expertise to lay knowledge, public participation, and urban-rural relationships.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5405 - Geophysics for Archaeology

Principles and practice of non-invasive archaeological geophysics such as magnetometry, ground penetrating radar, and resistivity. Data interpretation will involve basic computation, computer and hand contouring, three-dimensional visualization programs, interpretation and archaeological significance. Activities will involve fieldwork, work on data, and short reports. The mathematical content of the class will be minimal.

Credits: 3.0

Lec-Rec-Lab: (2-0-1)

Semesters Offered: Fall - Offered alternate years beginning with the 2004-2005 academic year

SS 5500 - IA Proseminar-I: History of Technology

Provides a basic introduction to work in the history of technology. Students must also register for SS5501.

Credits: 2.0

Lec-Rec-Lab: (2-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5501 - IA Proseminar II: Industrial Communities

A graduate seminar covering the main components of anthropological studies of industrial communities. Introduces the methods and approaches of this field through reading and discussion of selected articles and case studies. Students must also register for SS5500.

Credits: 2.0

Lec-Rec-Lab: (2-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5502 - IA Proseminar III: Historical Archaeology

Graduate seminar covering the essential elements of historical archaeology through reading and discussion of selected articles and case studies. Students must also register for SS5503.

Credits: 2.0

Lec-Rec-Lab: (2-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5503 - IA Proseminar IV: Material Culture Studies

Graduate seminar covering the basic elements of material culture studies through readings, discussion, and projects. Students must also register for SS5502.

Credits: 2.0

Lec-Rec-Lab: (2-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5510 - Sustainable Futures I

Covers introductory and intermediate concepts of Sustainable Development. Explores methods/tools for assessing sustainability (economic, environmental, societal impacts) of current and emerging industrial technologies. Explores relationships between government policies and markets for introducing sustainable technologies into national economies and corporations.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall

Restrictions: May not be enrolled in one of the following Class(es): Freshman, Sophomore

Pre-Requisite(s): UN 2002

SS 5600 - Industrial Archaeology

Directed readings and lectures in industrial archaeology using wide range of material from the historical engineering and archaeology literature. Central focus is on regional case studies. Students complete a substantial directed research project.

Credits: 4.0

Lec-Rec-Lab: (4-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5700 - Archaeological Field Methods

Practical experience in methods and techniques of field archaeology. Background readings followed by participation in site survey, testing, excavation, and record keeping. Students involved in ongoing research projects in upper Great Lakes Region. Offered with SS 3210. Graduate students complete independent project in addition to regular work. Recommended SS2020.

Credits: variable to 8.0; Repeatable to a Max of 16

Semesters Offered: Summer

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5800 - Documentation of Historic Structures

Principles and practice of survey and documentation of historic structures. Techniques include reconnaissance survey, in-depth survey, measured drawings, architectural photography, primary research, and written descriptions. Students use survey and documentation to analyze historic structures.

Credits: 4.0

Lec-Rec-Lab: (4-0-0)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5900 - Heritage Management

Introduces the current field of heritage management; the legislation that underwrites its practice; the articulation of federal, state, and local governmental activity; the evolving philosophies of archaeologists and historic preservationists operating in the public interest; parallels on the international scene; and the impacts of heritage tourism.

Credits: 4.0

Lec-Rec-Lab: (4-0-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 5990 - Graduate Research

Individual research work leading towards master's thesis or project. Open by arrangement to students in master's programs in the Department of Social Sciences.

Credits: variable to 10.0; Repeatable to a Max of 15; Graded Pass/Fail Only

Semesters Offered: Fall, Spring, Summer

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 6010 - Special Topics in Industrial Heritage

Examines themes or topics related to studies of industrial heritage. May include such topics as advanced cultural resource & heritage management and tourism; industrial heritage field methods; international dimension of industrial heritage; government policy. May be repeated.

Credits: variable to 6.0; Repeatable to a Max of 12

Semesters Offered: On Demand

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 6020 - Special Topics in Industrial History

Examines themes or topics related to the study of industrial history of technology. Topics may include global history of industrialization; theoretical models of industrial evolution; and social history of technology and work. May be repeated.

Credits: variable to 6.0; Repeatable to a Max of 12

Semesters Offered: On Demand

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 6500 - Directed Reading/Independent Study

Directed reading or independent study with appropriate faculty at the graduate level.

Credits: variable to 9.0; May be repeated; Graded Pass/Fail Only

Semesters Offered: Fall, Spring, Summer

Restrictions: Must be enrolled in one of the following Level(s): Graduate

SS 6600 - PhD. Dissertation Research

Fundamental and applied research in industrial heritage, industrial archeology, and history of technology. Taken by graduate students in partial fulfillment of the PhD thesis requirements.

Credits: variable to 9.0; May be repeated; Graded Pass/Fail Only

Semesters Offered: Fall, Spring, Summer

Restrictions: Permission of instructor required; Must be enrolled in one of the following Level(s): Graduate; Must be enrolled in one of the following Major(s): Social Sciences

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