722-520  Meteorology And Climate -- 3 cr  
Begins with fundamental relationships among earth, sun and air. Common myths concerning weather phenomena are dispelled through in-depth explanation in everyday language of the physical laws that govern atmospheric functioning. The course terminates with a survey of world climate regions. Prereq: 722-210 or consent of instructor.

722-523  Water Resources -- 3 cr  
Following a treatment of the character, process-involved, and distribution of water, the significance of water as a resource in a modern society will be considered. The course will culminate in an evaluation of the development-management, use, and conservation of water within the contexts of the hydrologic cycle and watershed. Field trips are normally taken. Prereq: 722-210 or consent of instructor.

722-537  Recreation Regions And Systems -- 3 cr  
Initial segments of the course focus upon an evaluation of spatial elements of the recreation phenomenon and the development of recreation areas for the express purpose of providing a background for subsequent analysis of existing recreation plans and formulation of a conceptual framework for the development of future recreation regions. Field trips are normally taken. Prereq: 722-230 or consent of instructor.

722-550  Regional Analysis And Planning -- 3 cr  
After an overview of the techniques of regional analysis, the role of state, regional, and county governments in development planning is discussed with emphasis upon short/long range planning and zoning. The decision making role of citizens, elected officials, and planners within a planning context is an integral part of the course. Field trips are normally taken. Prereq: 722-210, 722-230, and 722-270, or consent of instructor.
Remote Sensing of the Environment -- 3 cr
An introduction to the images, sensors and techniques used to gather and process
data on the Earth and the other planets, including aerial photography, electro-
optical scanners and radar systems. The course will focus on the fundamentals of
utilizing remotely sensed data in studying both natural and human induced
processes impacting the Earth's surface. Computer applications will be
extensively utilized. Field trips are normally taken.
Prereq: 722-320 or 722-310 or consent of instructor.

Human And Climate Interactions -- 3 cr
The course objective is to distinguish between natural climate change and change
induced by human activities. Topics covered include human modifications to
cloud cover, global warming, and ozone problems. Another emphasis is to better
understand the impacts of severe weather on human activities and the potential
threats of future climate change. At least one field trip is usually taken.
Prereq: 722-320/520 or an equivalent course or consent of instructor.

Geography Of Race & Ethnicity In The United States -- 3 cr
The course will take a geographical approach to the study of ethnic groups in the
United States. Native American, African American, Hispanic American, and
Asian American groups will be studied systematically. Major topics will include
mobility, cultural regions, and the cultural landscape created by the various ethnic
groups.
Prereq: 722-230 or 722-261 or 722-344.

Urban Land Use Planning -- 3 cr
A study of the historical, social and political framework of the urban land
planning process with primary emphasis on the United States. Exposure to
professional planning approaches and techniques and a critical analysis of plans
and planners are stressed. Field trips are normally taken.
Prereq: 722-344 or 880-352 or 820-446/646 or 230-438/638 or consent of
instructor.

Cultural Ecology And Sustainable Development -- 3 cr
This course will discuss the history of the subdiscipline of cultural ecology within
geography and teach about indigenous and traditional societies' knowledge
systems from a variety of world cultures. It will use ancient and modern examples
of indigenous methods of natural resource management and show how these are
being applied internationally to present day environmental problems and to
sustainable development approaches.
Prereq: 722-230 or 722-252 or consent of instructor.

Air Photo Interpretation -- 3 cr
An introduction to the use of aerial photographs for measurement purposes, and
the identification, classification, and mapping of agricultural, urban, industrial,
and landform patterns through the use of aerial photographic techniques. Field trips are normally taken.

722-690  Workshop -- 1-8 cr

722-691  Travel Study -- 1-3 cr

722-694  Seminar -- 1-3 cr

722-696  Special Studies -- 1-3 cr
Repeatable once for a maximum of 6 credits.

722-790  Workshop -- 1-6 cr

722-794  Seminar -- 1-3 cr

722-798  Individual Studies -- 1-3 cr

722-799  Thesis Research -- 1-6 cr
Students must complete a Thesis Proposal Form in the Graduate Studies Office before registering for this course.