GEOG 402, Regional Geography of the Non-Western World, 4 credits, Discovery: World Cultures, TR 2:10-3:30, 120 Spaulding, Dr. Tu Lan
This course examines the major non-Western culture areas of the world — Southwest Asia and North Africa, Sub-Saharan Africa, South Asia, East Asia, and Southeast Asia — and the unique integration of human and physical phenomena that produces the distinctive character of these areas. In addition, the course serves as an introduction to the discipline of geography, with its unique spatial perspective.

GEOG 405, Human-Environment Geography, 4 credits, MWF 1:10-2:00, Hamilton Smith G35, Dr. Jennifer Brewer.
Introduces human-environment relations as a central focus of geography, spanning social and environmental sciences. Considers mapping, natural resource use, commons and markets, hazards, political ecology, and land use change. Case studies link core concepts with examples from local to international scales.

GEOG 473, Elements of Weather, 4 credits, MWF 10:10-11:00, MUB Theater II, Dr. Mary Stampone. Discovery: Physical Science. Discovery: Lab.
There are few things in nature that impact our daily lives as significantly as the weather. This introductory, physical science laboratory course covers the basic elements of earth’s weather including the scientific study of the atmosphere, basic weather forecast information, and the formation of weather systems that produce rain, snow, thunderstorms and tornadoes. The course includes a mandatory online laboratory course component.

GEOG 530, Geography of China, 4 credits, TR 9:40-11:00, Morrill 103, Dr. Tu Lan. Discovery: World Cultures.
This course will examine China’s diverse physical environments, politics, economies, and cultures across her vast territory. Students will learn to adopt a relational and spatiotemporal perspective to study the contemporary issues in China. Writing Intensive

GEOG 540.1ON, Geography of the Middle East, 4 credits, ONLINE, Dr. Alasdair Drysdale
Environmental, cultural, political-geographic, and ecological foundations of the Middle East. Selected regional problems and issues, e.g. geographical dimensions of the Arab-Israeli conflict, oil, urbanization, population growth, and nomadism.

GEOG 572, Geography of the Natural Environment, 4 credits, MWF 9:10-10:00, Murkland G02, Dr. Jennifer Brewer. Discovery: Physical Science
This course introduces physical geography as the study of the natural environment. It covers Earth’s energy system, atmosphere, weather, tectonic plates, oceans, landforms, sediments and soils, glaciers, water, rivers, coasts, and living organisms. It emphasizes physical processes, including interactions across these domains.
**GEOG 584, Political Geography, 4 credits, MWF 12:10-1:00, Hamilton Smith 332, Dr. Maingi Solomon**
Interactions between geographic and political phenomena at the sub-national, national, and international levels. Emphasis on geographical aspects of current political problems within and between states. Writing Intensive

**GEOG 658, Introduction to Geographic Information Systems, 4 credits, MW 11:10-12:00 (plus lab), James Hall G54, Dr. Russell Congalton.**
The course introduces the concepts and applications of geographic information systems for geography, natural resources, and related fields through a series of lectures, hands-on labs, and applied homework assignments. Topics covered include data models/structures, map projections, data input/output/storage, data analysis and modeling, interpolation, and data quality/standards. The lab uses ArcGIS 10 software for hands-on exercises.

**GEOG 685, Geography of Population and Development, 4 credits, TR 11:10-12:30, Kendall 212, Dr. Maingi Solomon. Writing Intensive.**
A regional approach to the study of population geography with concern for the interaction between the focus of economic growth and the components of population change and development. Considers the environmental impact of developing trends in the developed and developing nations and the relationship of these trends to sustainable growth and population patterns. Writing Intensive.

**GEOG 759, Digital Image Processing for Natural Resources, 4 credits, MW 9:10-10 (plus lab), G54 James Hall, Dr. Russell Congalton.**
Introduction to digital remote sensing, including multispectral scanners (Landsat and SPOT), radar, and thermal imagery. Hands-on image processing including filtering, image display, ratios, classification, registration, and accuracy assessment. GIS as it applies to image processing. Discussion of practical applications. Use of ERDAS image-processing software. Knowledge of PCs required. Prerequisite: GEOG 757 or equivalent and permission (Also offered as NR 759).

**GEOG 695, Internship, 1-4 credits, permission required. Contact Department before registering.**

**GEOG 795, Special Project, 2 or 4 credits, permission required. Contact Department before registering. Writing intensive.**

**GEOG 799, Honors Thesis, 4 credits, permission required. Contact Department before registering.**

*To obtain sample syllabi or contact instructors for more information go to http://www.unh.edu/geography/*