

GEOGRAPHY (GEOG)

GEOG 200 Introduction to Geography 3 Credit Hour(s)

An introduction course in the physical and cultural phenomena of the earth, stressing spatial distribution of these phenomena.

Offered: Resident and Online

GEOG 300 Geographic Research Methods 3 Credit Hour(s)

This course highlights research methods commonly utilized in the field of geography. Topics covered include research questions and hypotheses formulation, research project development, quantitative research design, and qualitative research design.

Offered: Online

GEOG 305 Physical Geography 3 Credit Hour(s)

Online Prerequisite: PHSC 210

The study of the geographic and functional interrelationships within the physical environment: Earth-sun relationships, weather, climate, soils, vegetation, drainage features, and landforms. The discipline draws on principles and processes of earth science, meteorology, climatology, geomorphology, and environmental systems.

Offered: Online

GEOG 310 Human Geography 3 Credit Hour(s)

This course examines the spatial relationship between people and places by drawing upon history, language, religion, economics, and technology, etc. and tying them together through a spatial framework for a comprehensive understanding of the world in which we live.

Offered: Online

GEOG 320 Regional Studies in Geography 3 Credit Hour(s)

Geographic approach to a specific region of the world through historic, cultural, economic, political and physical geography. Course may be repeated as topics vary. (Formerly GEOG 420)

Registration Restrictions: Junior or Senior status

Offered: Resident and Online

GEOG 370 Geographic Information Systems I 3 Credit Hour(s)

This course is designed to provide practical experience in spatial database design and analysis using Geographical Information Systems (GIS).

Note: This course is cross-listed with ENVR 370.

Offered: Online

GEOG 371 Geographic Information Systems II 3 Credit Hour(s)

Online Prerequisite: GEOG 370 or ENVR 370

This course uses the US Department of Labor's Geospatial Competency Model for equipping students in Data Acquisition and Management, Database Management, Cartographic Design, and Advanced Data Visualization.

Offered: Online

GEOG 373 GIS for Urban Planning 3 Credit Hour(s)

Online Prerequisite: GEOG 370 and GEOG 371

This course is an advanced study of using Geographic Information Systems (GIS) for Urban Planning in order to equip students to solve urban problems.

Offered: Online

GEOG 374 GIS for Hydrological Applications 3 Credit Hour(s)

Online Prerequisite: GEOG 370 and GEOG 371

This course is designed to introduce an application-based approach to advanced GIS skills development. The essential scope of this course is based on advanced modelling and simulation techniques used in GIS through hydrologic applications.

Offered: Online

GEOG 380 Modern Military Geography 3 Credit Hour(s)

Modern military geography is the study of the ways in which military activities are geographically constituted and expressed as they affect space, place, environment, landscape, people, culture, and national interests.

Offered: Online

GEOG 405 Demography 3 Credit Hour(s)

Online Prerequisite: GEOG 200 or GEOG 300 or MATH 201 or MATH 202 or MATH 211 or BUSI 230

This course examines population characteristics. Students will analyze populations based on their size, structure, and development with a focus on the link between economic activities and quality of life measures.

Offered: Online

GEOG 410 Global Issues in Geography 3 Credit Hour(s)

Prerequisite: GOVT 200 or GOVT 210 or GOVT 220 or GOVT 001 or GOVT 002 or BUSI 303 or GEOG 200 or GEOG 320

A course dedicated to showing the interrelationships between geography and fields of study supportive of geography in such issues as national security, environmental crises, and global interdependence. Extensive writing and communication skills can be expected.

Registration Restrictions: Junior status

Note: (Offered as needed)

Offered: Resident and Online

GEOG 491 Geography Capstone 3 Credit Hour(s)

Online Prerequisite: GEOG 300

This course is dependent upon student collaboration with a faculty mentor on a chosen geographical research topic. The Capstone experience allows the student to focus and synthesize information, reflect on their entire geography program experience, and apply geographic information to a real-life application.

Offered: Online

GEOG 495 Directed Research in Geography 3 Credit Hour(s)

Prerequisite: GEOG 371 and (GEOG 370 or ENVR 370)

Directed Research in Geography or GIS.

Offered: Resident and Online

GEOG 497 Special Topics in Geography 3 Credit Hour(s)

Prerequisite: GEOG 371 and (GEOG 370 or ENVR 370)

Special Topics in Geography or GIS.

Offered: Resident and Online

GEOG 499 Internship in Geography 3 Credit Hour(s)

Internship in 180 hours in a field/role related to Geography.

Offered: Online