

EDG RAF FY AND PLANNI

Contact Time	3 x 1 hour lecture/week; 1 x 3 hour lab/week
Format	Lectures and lab periods
Class Assessment	Lab assignments50%
	Lecture tests: 30%
	Final exam 20%

## COURSE OVERVIEW

This course introduces the major concepts studied in physical geography and natural resourcescesses interrelationships between the atmosphere, hydrosphere, biosphere, and hosphere at '" •  $\ddagger f$ " – Š  $\ddagger f$ " surface are investigated to serve as a basis founderstanding the nature and distribution of natural resources.

## LEARNING OUTCOMES

To complete this course, students ill demonstrate:

- x Knowledge of key concepts and laws governing physical geography / Earth system science (e.g., electromagnetic radiation, climatology and neteorology, geomorphology, hydrology, geography of soils, biogeography)
- x Understanding of the proceses giving rise to patterns and phenomena observed in the Earth systen at local, regional, and global scales
- x Use and implementation of basic tools and techiques used by geographers to study spatial and temporal patterns (maps, remote sensingGIS,statistics).
- x Appreciation of the way humans arelinked to as well asimpact the Earth system (e.g., climate change, biodiversity, pollution, carbon, and nutrient cycling).

## COURSE TOPICS

Introduction to physical geography; earth-sun geometry andseasons.global energy system and temperature patterns; atmospheric pressure, moisture, and weathery.stems; global climates and climate changeplant geography; Earths structure, geologic time the rock cycle; tectonic processes and landforms; weatering and mass movement; groundwater and karst systems; flivial systems and landforms; glacial and periglacial processes and landforms; raid landscapes and aeolian processes; coastal processes and landforms; distribution and character of soils; relevance of physical geographto environmental issues.