EAS E 131 OCEANS & OUR GLOBAL ENVIRONMENT

3 credits | Lecture 100% online course taught by IU Bloomington. No on-campus meetings are required.
Instructor: Simon Brassell
COLL (CASE) N&M credit
An introduction to oceanography integrating exploration of ocean basins and plate tectonics, seawater and seafloor sediments, ocean-atmospheric interactions and global climate, and coastal/marine ecology to build understanding of oceanographic processes complemented by on-line assignments that explore and interpret web-based data sets emphasizing ocean dynamics and the climatic and environmental importance of Earth’s oceans.

EAS X429 FIELD GEOLOGY IN THE ROCKY MOUNTAINS

6 credits | June 16-July 30, 2019
Location: IU Geologic Field Station in Cardwell, Montana
X429 is an immersive, hands-on, field geology course. It is designed to allow students to build and integrate diverse geoscience skills to solve 4-dimensional geologic problems. Projects range from outcrop scale to regional scale and cover most sub-disciplines of the geosciences.
EAS E 104 EVOLUTION OF THE EARTH
3 credits | Time: 9:05-11:00 A.M. Thursday
Location: SY 0008 | Instructor: Jackson Njau
COLL (CASE) N&M credit - Natural Science
This is an introductory science course focused on Earth’s history interpreted over 5-billion years. It employs a deductive approach to build an understanding of the significance of rocks and fossils and reconstructing the origins of mountains, continents, ocean basins and life.

EAS E 105 EARTH: OUR HABITABLE PLANET
3 credits | Time: 10:10-11:25 A.M. Monday, Wednesday
Location: BH 227 | Instructor: Brian Kravitz
COLL (CASE) N&M credit - Natural Science
Introduction to Planet Earth as a dynamic and complex global system.

EAS E 106 OUR PLANET AND ITS FUTURE
3 credits | Time: ARR
Location: ARR | Instructor: Brian Yanites
COLL (CASE) N&M credit.
This course is part of the College ASPIRE semester: Italy Program. Interested students can visit go.iu.edu/ASPIRESemesterItaly to apply; deadline is October 15. Questions may be directed to collOIA@indiana.edu. This course will take place from February 17 - April 3.

EAS E 116 CLIMATE CHANGE SCIENCE
3 credits | Time: 10:10-11:25 A.M. Monday, Wednesday
Location: BH 231 | Instructor: Brian Kravitz
COLL (CASE) N&M Breadth of Inquiry

EAS E 122 EARTH’S DYNAMIC ATMOSPHERE
3 credits | Time: 10:10-11:00 A.M. Monday & Wednesday
Location: SY 0008 | Instructor: Michael Hamburger
COLL (CASE) N&M Breadth of Inquiry

EAS E 190 THE EVOLVING EARTH: TREKS IN PROVENCE
3 credits | Time: 7:30-8:45 P.M. Tuesday
Location: GS 2022 | Instructor: Erika Elswick
COLL (CASE) N&M Breadth of Inquiry

EAS E 226 EARTH PROCESSES
3 credits | Time: 12:20-1:30 P.M. Monday, Wednesday, Friday
Location: GS 2022 | Instructor: Kaj Johnson; Doug Edmonds
COLL (CASE) N&M credit

EAS E 333 SEDIMENTATION AND TECTONICS
4 credits | Time: 3:35-5:30 P.M. Thursday
Location: SW 218 | Instructor: Bruce Douglas
COLL (CASE) N&M credit

EAS E 341 NATURAL HISTORY OF CORAL REEFS
3 credits | Time: 4:00-5:15 P.M. Tuesday & Thursday
Location: AC 002 | Instructor: Claudia Johnson
COLL (CASE) N&M Breadth of Inquiry

Description: The course will address the evolutionary history of reef ecosystems through geologic time inclusive of reef composition and global distribution, modern reef development, conservation and management practices, and the persistence of the reef ecosystem through climate change scenarios. We will cover biologic, ecologic, and geologic principles as they pertain to coral reef ecosystems.

EAS E 406 INTRODUCTION TO GEOCHEMISTRY
3 credits | Time: 11:25 A.M. - 12:30 P.M. Tuesday & Thursday
Location: BH 227 | Instructor: Erika Elswick
Physical and chemical properties of water; chemical equilibria and stable isotopes in groundwater; acid drainage, landfills, and agricultural pollution; Darcy’s Law, fluid potential, unsaturated flow, fluid and aquifer properties affecting groundwater flow; fluid mass balance; equation and its application; contaminant transport.

EAS E 476 CLIMATE CHANGE SCIENCE
3 credits | Time: 10:10-11:25 A.M. Monday, Wednesday
Location: BH 231 | Instructor: Brian Kravitz
COLL (CASE) N&M Breadth of Inquiry

Earth & its processes

http://earth.indiana.edu/