



# Fall 2022 Courses

## Courses with no prerequisites

- GEOS 103 (SL) Global Warming & Environmental Change (Constantine)  
MWF 10:00-10:50, Lab T or R 1:00-3:00
- GEOS 104 (OC) Oceanography (Cook)  
MWF 9:00-9:50, Lab W or R 1:00-3:00
- GEOS 111T (SE) Radical Science - How Geology Changed the Way We See the World (Karabinos)
- GEOS 201 (SE) Field Methods and Structural Geology (Karabinos)  
MW 11:00-12:15, Lab M 1:00-4:00
- GEOS 210 (OC) Oceanographic Processes (Cox)  
ONLY for students in Williams-Mystic Program

## Courses with prerequisites (POI = permission of instructor)

- GEOS 208 (OC) The Modern Carbon Cycle: The Story from Carbon Isotopes (Gonzalez-Nayeck)  
TR 9:55-11:50, Lab T or W 1:00-4:00  
Prereq: at least one GEOS or ENVI
- GEOS 312 (SL) Mass Extinctions: Patterns and Processes (Cohen)  
Prereq: GEOS 107 or GEOS 212; or POI + any 200 level GEOS course
- GEOS 404 (SL) Coastal Process and Geomorphology (Apotsos)  
MW 8:30-9:45, Lab F 8:30-9:45  
Prereq: GEOS 104 or 210 or POI

### Course Groups

**Oceans and Climate (OC):** the science of the atmosphere, ocean and cryosphere, including dynamics of the climate system, analyzing past and future climate variability.

**Sediments and Life (SL):** the science of modern and ancient sediments, including surface processes such as erosion and preserved records of earth and life history such as fossils.

**Solid Earth (SE):** the science of the modern and ancient solid earth, including the formation of the planets, the origins and fates of minerals and rocks, and the formation of mountains.

# Spring 2023 Courses

## Courses with no prerequisites

- GEOS 102 (SE) An Unfinished Planet (Karabinos)  
MWF 10-10:50, Lab M or W 1:00-3:00
- GEOS 210 (OC) Oceanographic Processes (Cox)  
ONLY for students in Williams-Mystic Program

## Courses with prerequisites (POI = permission of instructor)

- GEOS 214 Mastering GIS (Constantine)  
TR 11:20-12:35, Lab T or R 1:00-4:00  
Prereq: at least one GEOS or ENVI
- GEOS 215 (OC) Climate Changes (Cook)  
MWF 9:00-9:50, Lab W 1:00-4:00  
Prereq: 100-level course in GEOS, CHEM, or PHYS or ENVI 102 or permission of instructor
- GEOS 304 (SE) Minerology & Petrology (Hudak)  
TR 9:55-11:10, Lab T or R 1:00-4:00  
Prereq: at least one 100 level GEOS class
- GEOS 308 (SL) Life on Mars? (Gonzalez-Naeck)  
MWF 10:00-10:50, Lab R 1:00-4:00  
Prereq: any 100-level GEOS course
- GEOS 414 (SL) Reading Deep Time (Cohen)  
MW 11:00-12:15, Lab M 1:00-4:00  
Prereq: GEOS majors who have taken at least one of the following courses: GEOS 212, GEOS 203, GEOS 201, GEOS 301, GEOS 302, GEOS 312T, or permission of instructor.

Geos majors go in many different directions, including education, public policy, journalism, environmental consulting, and scientific research. Consult with a Geoscience faculty member for advice on course choices in other departments and programs that will complement your Geosciences major.

### Lauren Interest '98 Adventure Fellowship

Fellowships are available to majors and prospective majors. It provides \$2000+ for one or two students to pursue an earth-science adventure of their own design during WSP, spring break, or the summer. Come up with an idea and discuss it with any Geos faculty member. Write a 1-2 page proposal with a budget and expected itinerary, and email it to the chair. We accept applications at any time! See the department webpage for details and past projects.