



CHANGING COASTAL OCEANS

LUMCON is reaching students who traditionally do not have access to marine science education .

Course Description: Coastal oceans are among the most valuable and heavily impacted environments on earth. Human activities such as commercial and recreational fishing, water management, aquaculture, land development, shipping, and mineral exploitation have significant ecological effects on coastal environments. In addition, human activities that occur far inland affect coastal oceans through runoff and atmospheric deposition. In this course, faculty of the Louisiana Universities Marine Consortium will present a series of lectures on the effects of human activities on the chemistry, biology, geology, ecology and ecosystem structure and function within coastal marine environments. Topics describing recent changes in the coastal ocean and addressing their implications include: Primary productivity; Biogeochemistry; Coastal geology; Coastal fauna and habitat; Coastal fisheries; and Climate Change. The course includes a mandatory weekend field trip to LUMCON's DeFelice Marine Center in Cocodrie, where the instructors will use the local coastal environment to illustrate topics that have been discussed in lectures.

Course Requirements: Advanced undergraduate or graduate level with some background in science, or permission of the lead instructor (Dr. Brian Roberts, broberts@lumcon.edu).

Venue: Offered by LUMCON faculty via GoToMeeting video conferencing

Credit: Lecture (2.5 hrs per week) and 1 weekend field trip: 3 credits

Level: Offered as advanced undergraduate / graduate level Special Problems/Special Topics Course

Course Times: Spring 2019, Tuesday and Thursday 11:00 am - 12:15 pm

Course Contact: Murt Conover, mconover@lumcon.edu



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