

Spring 2014
BIOL 314

Biodiversity of Coral Reefs
Instructor: Dr. Bosch

Lec MW 1:00-2:15
Lab TBA

**Includes 9 days of fieldwork in the Bahamas
+ 1 cr. International Ed. for Program field studies through SUNY Brockport**

Informational Meeting to be held on Tuesday, Sept. 17th in ISC105

This is a lecture and laboratory course focused on Coral Reef biodiversity, ecology and conservation. A requirement for this course is that students participate in a field experience in the Bahamas during Spring Break 2014.

The 3-credit Geneseo portion of the course taught by Dr. Bosch will include a lab component that will be satisfied by a combination of fieldwork in the Bahamas and data analysis, presentation, and completion of a journal style written report during the second half of the semester in Geneseo. During Spring Break, participants will spend 9 days at a research station in the Bahamas. As part of the required field experience, students must also enroll in a 1-credit course through SUNY Brockport's International Education Office.

Course Description: BIOL 314: Biodiversity of Coral Reefs

This is an intensive, field-based course that looks at a specific region, its biological diversity and the physical and biotic factors that are significant in controlling this diversity. A variety of organisms will be considered with most attention given to organisms that are most readily observed (common plants, vertebrates and insects). Students will learn about specific organisms and understand how their structure, physiology and behavior influence their distribution and thereby the diversity of a region. The course will take advantage of the unique features of a particular region to consider the processes and biological attributes that contribute to the biodiversity of a region. May be taken once for major credit. Prerequisites: BIOL 203, BIOL 222, or permission of the instructor. Credits: 0-3

This version of the Biology 314 Biodiversity will focus on the biodiversity, ecology, geology and conservation of Caribbean coral reefs and related communities. Each student is expected to participate in a collaborative research project and complete a report on the research in a scientific journal-style format. The field site in the Bahamas is the Gerace Research Center, located on San Salvador at the eastern end of a chain of 700 islands and cays that form the Commonwealth of the Bahamas.

To Enroll: You must first obtain permission from the instructor. To reserve a spot you must submit a **non-refundable** deposit of \$1,270 to SUNY Brockport on or before **October 15, 2013**. The total cost for the course including tuition, snorkeling gear rental, food, travel, and other expenses will be about \$3,250. Enrollment is 8-12 depending on space availability at the Bahamian field station.

For more information call 585-245-5303 or email bosch@geneseo.edu.