**BIOL 394: Caribbean Marine Biology**  
**Field Trip to Roatan**  
**March 13 - 20, 2016**

**Course Instructors:**  
Dr. Don Sakaguchi, GDCB, Rm. 505 Sci. II, Ph. 294-3112, (dssakagu@iastate.edu)  
Dr. Jeanne Serb, EEOB, Rm. 245 Bessey, Ph. 294-7479, (serb@iastate.edu)

**BIO 394: COURSE SYLLABUS**

**Biology 394A (Sect. HN): Pre-trip Course Syllabus (1 credit)**  
Class meets on Wednesday’s, 6:00-8:00 PM, in Rm. 115 Science II (unless an alternate location is specified).

**Course schedule/syllabus (Subject to change)**

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC OF DISCUSSION</th>
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| Jan. 13    | Introductions: meet your classmates  
Discussion class and field trip organization and logistics.  
Reef creature identification quiz. |
| Jan. 20    | Health considerations while traveling abroad: Presentation by Sue Dekkers BSN, RN-BC ISU-Thielean Student Health Center representative.  
What is a marine biologist.  
Discuss snorkeling gear. |
| Jan. 27    | Coral reef development, some of the major problems facing corals globally (especially ocean acidification), and how corals can be used as proxy climate archives: Prof. Al Wanamaker, ISU, Geological and Atmospheric Sci.  
Marine invertebrates and discussion of their life history traits. |
| Feb. 3     | Pre-departure Orientation Program: Jodi Cornell, Global Agriculture Programs  
Discussion of your research projects. |
| Feb. 10    | Crustaceans (specifically on bioluminescent ostracods): Prof. Todd Oakley, Univ. California Santa Barbara, possible Skype presentation.  
Reef fish biology 1  
Discussion of your research projects. |
| Feb. 17    | Coastal Marine Policy: Prof. Arnold Van Der Valk, ISU, EEOB.  
Reef fish biology 2  
Discussion of your research projects. |
Discussion of your research projects |
| Mar. 2     | Discussion of your research projects. Finalize projects.  
Field trip organization and logistics. |
| Mar. 9     | “A day in the life of a Bio 394 student”  
Discussion of your research projects.  
Final field trip organization and logistics. |
<p>| Mar. 13-20 | <strong>Marine Biology Field Trip to Roatan</strong> |
| Mar. 23    | No class. However, get your images (photos/videos) uploaded to the course CyBox folder this week. |</p>
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<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Mar. 30</td>
<td>Post trip discussions. Final exam: Reef creature identification</td>
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<td>REEF surveys, discuss next week’s Research Symposium</td>
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<td>Apr. 6</td>
<td>Further discussion of REEF surveys, Transect Line Survey and additional discussion about next week’s Research Symposium</td>
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<tr>
<td>Apr. 13</td>
<td>ISU BIO 394 Research Symposium: Student presentations. 6:00-8:00 PM, Room 115 Science II. Refreshments provided.</td>
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<td>Apr. 20</td>
<td>Awards Ceremony. Course Notebook/Field trip journals are due at 6:00 PM in room 115 Sci II. Final papers are due by class. Please submit them electronically to Jeanne and Don</td>
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<tr>
<td>Apr. 27</td>
<td>TBD</td>
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<tr>
<td>May 4</td>
<td>Your final papers and class notebook/journal available for pickup.</td>
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**Other possible topics:**
Marine invertebrates-Sponges.
Coastal Marine Policy.
Biology and ecology of mantis shrimp (Crustacea: Stomatopoda): Dr. Megan Porter, University of Hawaii, possible Skype presentation.

**Assignments:**
1) Numerous assignments to collect information about Roatan (marine environment, ecosystems, culture, history, economy, etc.). Information may be obtained from various resources: library, World Wide Web-based, etc.

2) Conduct research projects on site on the coral reefs surrounding Roatan Island. Projects will be discussed during 394A class - projects must be approved by the course instructors.

3) Oral presentation (10-15 minutes) on your research topic in coral reef marine biology. To be presented during our Research Symposium on April 13, beginning at 6:00 PM. Presentations will be based on field observations of the marine environment.

4) Course notebook/field trip journal: You are required to maintain a Course Notebook/Field Trip Journal. These journals will be collected in class on April 20, 2016.

5) Term paper on a selected topic dealing with some aspect of coral reef marine biology. Papers must be at least 10 pages double-spaced (12 page maximum) and include at least 10 references. Topics for these papers must be approved by the course instructors. Final papers are due in class on April 20, 2016.

Marine Biology Field Trip homepage is located at the following web address:

Attendance at the seminar is compulsory unless you have a non-resolvable conflict. Anyone who will miss a seminar should Email: Don Sakaguchi (dssakagu@iastate.edu) and Jeanne Serb (serb@iastate.edu) with the reasons before the seminar.
Updated 1/20/2016

**Academic Dishonesty**
The class will follow Iowa State University’s policy on academic dishonesty. Anyone suspected of academic dishonesty will be reported to the Dean of Students Office.
[http://www.dso.iastate.edu/ja/academic/misconduct.html](http://www.dso.iastate.edu/ja/academic/misconduct.html)

**Disability Accommodation**
Iowa State University is committed to assuring that all educational activities are free from discrimination and harassment based on disability status. All students requesting accommodations are required to meet with staff in Student Disability Resources (SDR) to establish eligibility. A Student Academic Accommodation Request (SAAR) form will be provided to eligible students. The provision of reasonable accommodations in this course will be arranged after timely delivery of the SAAR form to the instructor. Students are encouraged to deliver completed SAAR forms as early in the semester as possible. SDR, a unit in the Dean of Students Office, is located in room 1076, Student Services Building or online at [www.dso.iastate.edu/dr/](http://www.dso.iastate.edu/dr/). Contact SDR by e-mail at [disabilityresources@iastate.edu](mailto:disabilityresources@iastate.edu) or by phone at 515-294-7220 for additional information.

**Dead Week**
This class follows the Iowa State University Dead Week policy as noted in section 10.6.4 of the Faculty Handbook [http://www.provost.iastate.edu/resources/faculty-handbook](http://www.provost.iastate.edu/resources/faculty-handbook).

**Harassment and Discrimination**
Iowa State University strives to maintain our campus as a place of work and study for faculty, staff, and students that is free of all forms of prohibited discrimination and harassment based upon race, ethnicity, sex (including sexual assault), pregnancy, color, religion, national origin, physical or mental disability, age, marital status, sexual orientation, gender identity, genetic information, or status as a U.S. veteran. Any student who has concerns about such behavior should contact his/her instructor, Student Assistance at 515-294-1020 or email dso-sas@iastate.edu, or the Office of Equal Opportunity and Compliance at 515-294-7612.

**Religious Accommodation**
If an academic or work requirement conflicts with your religious practices and/or observances, you may request reasonable accommodations. Your request must be in writing, and your instructor or supervisor will review the request. You or your instructor may also seek assistance from the Dean of Students Office or the Office of Equal Opportunity and Compliance.

**Contact Information**
If you are experiencing, or have experienced, a problem with any of the above issues, email academicissues@iastate.edu.