**General Information**
Catalog Number, Section, and Term: ENVR 1112, 21, Spring 2010

Title of Course: Lab: Oceanography

Co-requisites: ENVR 1111, Oceanography

Class Room Meeting Times and Dates: Dickinson Hall Room 5529
Mondays 2:00 PM – 4:50 PM, January 25, 2010 – May 10, 2010

Instructor: Dr. Marion McClary

Office Location and Office Hours: Dickinson Hall Room 4459, Mondays - Fridays, 9:00 AM – 10:00 AM.

Laboratory Location: Dickinson Hall Room 5513

Telephone with voice mail: 201-692-2606

FDU Email Address: mcclary@fdu.edu

**Course Description**
Lab associated with ENVR 1111 Oceanography.

**Text and Materials**

**Rules, Regulations, Grades**
Attendance and lateness policy:
Students are responsible for all material missed due to absence and or tardiness.

Makeup and missed work policy:
Laboratory Exams and Papers (You will be informed of any changes)
1) Each exam will only cover the material listed above it or the material listed since the previous exam (see the course outline).

2) Exams may be curved depending on the class average. Exams will be short answer.

3) If you miss the exam and do not have a doctor’s note, your exam will not be curved. If you miss an experiment you must get the data from a laboratory partner.

4) Exams not taken and papers not handed in by the last day of the course will become zeros. An incomplete (I) is given if there is a doctor’s or other official notes. Only doctor’s notes or other official notes can remove zeros.
Academic Integrity Policy:
Students enrolled at Fairleigh Dickinson University are expected to maintain the highest standards of academic honesty. Students have the responsibility to each other to make known the existence of academic dishonesty to their course instructor, and then, if necessary, the department chair, or the academic dean of their college. Course instructors have the added responsibility to state in advance in their syllabi any special policies and procedures concerning examinations and other academic exercises specific to their courses. Students should request this information if not distributed by the instructor.

Academic dishonesty includes, but is not necessarily limited to, the following:

1. *Cheating* - Giving or receiving unauthorized assistance in any academic exercise or examination. Using or attempting to use any unauthorized materials, information, or study aids in an examination or academic exercise.
2. *Plagiarism* - Representing the ideas or language of others as one’s own.
3. *Falsification* - Falsifying or inventing any information, data, or citation in an academic exercise.
4. *Multiple Submission* - Submitting substantial portions of any academic exercise more than once for credit without the prior authorization and approval of the current instructor.
5. *Complicity* - Facilitating any of the above actions or performing work that another student then presents as his or her assignment.
6. *Interference* - Interfering with the ability of a student to perform his or her assignments.

Sanctions: Any student violating academic integrity will, for the first offense, receive one or a combination of the following penalties imposed by the faculty member:

1. *No credit (0) or Failure for the academic exercise.*
2. *Reduced grade for the course.*
3. *A failure in the Course.*
4. Recommendation for *Academic Probation* to the dean of the college in which the student is registered.

The instructor shall file a notice of the penalty in the student’s file maintained in the campus Office of Enrollment Services.

In cases of interference and complicity, whether or not the student is registered in the affected course, the incident and penalty shall be recorded in the student’s file maintained in the campus Office of Enrollment Services.

For a subsequent violation of academic integrity, a student will be subject to any combination of the above sanctions, and, after due review by the academic dean according to the procedures below, one of the following:

1. *Suspension* from the University for one year. Readmission will be contingent upon the approval of the academic dean.
2. *Dismissal* from the University
3. *Dismissal from University identified on the student’s academic transcript* as a result of a violation of the Academic Integrity Policy.
Grading policy:
There will be two laboratory exams. Each laboratory exam is worth 10% of your grade. The two laboratory exams are 20% of your grade. There will be laboratory and field exercises. The laboratory and field exercises are 40% of your grade. There will be four lecture exams. Each lecture exam is worth 10% of your grade. Your final grade will be an average of two laboratory exam grades, the laboratory exercises, the field exercises, and four lecture exam grades. This average will then be placed on the following scale for your grade:

A  92 - 100
A-  89 - 91
B+  86 - 88
B  82 - 85
B-  79 - 81
C+  76 - 78
C  72 - 75
C-  69 - 71
D  60 - 68
F  0 - 59

Safety Policy:
Effective with the Fall 2001 semester no student will be permitted into laboratories wearing shorts, halter-tops, open toed sandals, undershirts, tank tops or any other inappropriate attire. All students are to purchase a white laboratory coat which can be used for any Biology or Chemistry class which requires a lab--non-majors or majors.

Course Objectives
The objectives (goals) of this course are for you to become competent in knowledge of:
1. The scientific method (program outcome # 1)
2. Data analysis (program outcome # 5)
3. The use of scientific equipment (program outcome # 6)
4. Organismic identification (program outcome # 7)
5. Organismic classification (program outcome # 7)
6. Following laboratory/field protocols (program outcome # 6)

Teaching Methodologies/Activities
The following will be used to assess student learning:
1. Exams to assess numbers 3-5 above
2. Lab and field exercises to assess numbers 1, 2, and 6 above

Modes of instruction that will be used by the instructor:
1. Hands-on Demonstration
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<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Jan. 25</td>
<td>The Growth of Oceanography</td>
<td>The Scientific Method</td>
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<td>Feb. 01</td>
<td>The Planet Oceanus</td>
<td>Bathymetry Laboratory</td>
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<td>08</td>
<td>The Origin of Ocean Basins</td>
<td>Sea-Floor Spreading Laboratory</td>
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<td>15</td>
<td>Marine Sedimentation: FIELD TRIP</td>
<td>Field Study 1</td>
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<td>The Properties of Seawater &amp; Wind and Ocean Circulation</td>
<td>Exercise 2</td>
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<td>Mar. 01</td>
<td>EXAM I</td>
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<td>08</td>
<td>Tides: FIELD TRIP</td>
<td>Exercise 2</td>
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<td>15*</td>
<td>Spring Recess</td>
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<td>22*</td>
<td>Marine Ecology</td>
<td>Exercises 3 and 8-11</td>
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<td>29*</td>
<td>Biological Productivity in the Ocean</td>
<td>Feeding Study</td>
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<td>Apr. 05*</td>
<td>Lecture Only</td>
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<td>12</td>
<td>The Dynamic Shoreline/Coastal Habitats: FIELD TRIP</td>
<td>Erosion Study</td>
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<td>Ocean Habitats and Their Biota</td>
<td>Exercises 3 and 8-11</td>
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<td>EXAM II</td>
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<td>10</td>
<td>Lecture EXAM IV</td>
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* Days Dr. McClary will be in the Dominican Republic. Arrangements to be announced.