

Bio K 101 Introduction to Oceanography

Three Rivers Community College
Summer 2010

Instructor: Mr. Paul C. Makarewicz
M+ W 6:00 – 9:00
Office Hours: W 5:45-6:00
Email: PMakarewicz@trcc.comnet.edu

Course Description: Introductory Course in Oceanography. Topics to be discussed include: Properties of sea water, waves, tides, currents, world ocean circulation, chemical oceanographic processes, and life in the sea, environmental modification and control. Some field work will be included

Text: Fundamentals of Oceanography 5th edition, Keith Sverdrup
Prerequisite: None

Attendance: I realize that there are many demands on your time from both work and home. I do not however go through material directly from the book. Therefore material will be discussed in class that is not verbatim from the book. This will therefore have some bearing on your grade. Labs are very hard to make up. Also note the grading policy further down the page

Grade Determination: There will be 3 tests and 1 research paper, a homework grade and a laboratory grade, all of which will have equal value. See homework sheet

Research Paper: The paper will be of a marine topic of your choice. It will be 5 typed pages with normal margins excluding any diagrams, pictures, title pages or bibliography. There will be at least 7 references: 4 primary references and 3 Internet references. Kindly no plastic covers please. It will be typed, double-spaced and in no more than 14 font. Some papers might be selected to be submitted to turnitin.com to check for plagiarism. Kindly start the paper soon, the fall semester goes very fast. **I will not accept any late papers.** The grade for the paper will be determined by the content, length, number of references and **CITATIONS**. Citations are required

Citations are required!!!! 1/Paragraph!!!!!!

The following are useful internet sites

www.nutsandboltsguide.com if you have any questions regarding paper mechanics, references or any questions regarding research paper writing

www.Iconn.org A Connecticut Library site for any type of reference material. You will need any valid Connecticut library card with bar code. The bar code is necessary to log in

There are numerous internet references at the end of the chapters to get you started. The paper will be more **ISSUED orientated**. It cannot just be about an animal. More to what is happening in the ocean. If you have any questions ask them soon. The paper is due July 21. Again no late papers!!

Grade Determination: There will be 3 tests and 1 research paper, a homework grade and a laboratory grade all of which will have equal value.

Grading:

A	94-100	C+	77-79
A-	90-93	C	73-76
B+	87-89	C-	70-72
B	83-86	D+	67-69
B-	80-82	D	60-66
		F	0-59

Class Withdrawal and Students with Special Needs: I refer you to the appropriate sections in the Fall catalog if you fall into either category

Academic honesty and Civility

It seems strange to have to write this, but I expect and require you to exhibit academic honesty when you take any quiz, exam, or research paper. What this means is that you do not cheat in any way. Do not ask other students for answers, give other students answers, or copy answers off other students or other papers. Also, you are expected to inform me of any student who is not practicing academic honesty in the class. Students will be dealt with forthrightly. All work on the research paper must be completely your own writing and only your own work. I also require that you practice civility and courteousness in this class to your fellow students and the professor. I will not condone and will not tolerate foul language and inappropriate behavior by students that is deemed disruptive to the order and progress of the class. Kindly turn off an object that has an on and off button.

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Course Description: Properties of sea water, waves, tides, currents, oceanographic instruments, world ocean circulation, origin of LIS, chemical oceanographic processes, life in the sea, environmental modification and control

Tentative schedule and subject to change

Session	Date	Topic	
		Reading/Chapter(s)	
1	June 7	Introduction and History	1,2
2	June 9	Water	5
3	June 14	Marine Environment	10
4	June 16	Life in the Sea	12
5	June 21	Exam # 1 Chapters 1,2,5,10,12	
6	June 23	Coasts and Estuaries	9
7	June 28	Life in Water (Plankton)	11
8	June 30	Field trip : Bluff Point Rocky intertidal/Sandy Beach (.56 ft/ 20:16)	
9	July 5	4 th of July Observed	
10	July 7	Circulation Patterns + Ocean Currents	7
11	July 12	Exam # 2 Chapters 9,11,7	
12	July 14	Field Trip: Barn Island Wildlife Management Area Tidal Marshes / Estuaries (0.0ft / 19:27)	
13	July 19	Waves and Tides	8
14	July 21	The Sea Floor Paper Due	4
15	July 26	Plate Tectonics	3
16	July 28	Final Exam Chapters 8, 4, 3	
17	Aug. 2	TBA	

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Homework Assignments

Each assignment is worth 10 points for a total of 110 points which is worth 1 grade!

ASSIGNMENTS WILL ONLY BE ACCEPTED BY THE DUE DATE FOR ANY REASON !!!!!!!!!!!!! ANY LATE WORK WILL BE REDUCED BY 50 % DO NOT EMAIL THEM TO ME TO DOWN LOAD. ANY EMAIL IS TO BE PROOF OF SUBMISSION. YOU ARE TO HAND IN A HARD COPY AT THE NEXT CLASS MEETING

My suggestion is to do them early to avoid any problems

They must be typed with the **following information**. Your name, chapter number and question number

		Due Date
Chapter 1	Critical Thinking 1,2,3,5	June 9
Chapter 2	Critical Thinking 1,3,5	June 14
Chapter 5	Critical Thinking 1,3,	June 16
Chapter 10	Critical Thinking 1,2,3,4,5	June 23
Chapter 12	Critical Thinking 2,3,4,5	June 28
Chapter 9	Critical Thinking 2,3,4,5	June 30
Chapter 11	Critical Thinking 1,2,3,4,5	July 7
Chapter 7	Critical Thinking 1,2,4,5	July 12
Chapter 8	Critical Thinking 2,4, 5	July 14
Chapter 4	Critical Thinking 1,3,4,5	July 19
Chapter 3	Critical Thinking 1,2,4,5	July 21