

Bio K 175 Introduction to Marine Sciences

Three Rivers Community College

Fall 2014

Instructor: Mr. Paul C. Makarewicz

W 5:00-8:00

Office Hours: W 4:30-5:00

Email: Pmakarewicz@trcc.commnet.edu

Course Description: Introductory course in marine science. Topics to be discussed include: General Marine Biology, Intertidal Ecology, Plankton Biology, Marine Communities, and the Geomorphology of the New England coast. Some fieldwork will be included.

Text: Biology of Marine Life, 10th edition, John Morrissey, James Sumich

Prerequisite:

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

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

Research Paper: The paper will be on 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 and 3 Internet references. Kindly no plastic covers please. It will be typed, double space 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 Spring Semester goes very fast. **I WILL NOT ACCEPT ANY LATE PAPERS.**

CITATIONS ARE REQUIRED!!!!!!!!!! 1/PARAGRAPH

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

www.citationmachine.net For any questions regarding citation

There are numerous internet references at www.bioscience.jbpub.com/marinebiology to get you started. The paper will be more ISSUED orientated. It can not 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 _____ **again, no late papers.**

. Grade determined by content, length of paper, number of reference and CITATIONS

Grading:

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

Early Warning: Students in academic difficulty will be notified as the need arises

College Withdrawal Policy: The current policy is located in the Fall Program of Studies and Online

Disabilities Statement: If you have a disability that may affect your progress in this course, please meet with a Disability Service Provider (DSP) as soon as possible. Please note that accommodations cannot be provided until you provide written authorization from a DSP.

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| TRCC Disabilities Service Providers Counseling & Advising Office Room A-119 | |
| Matt Liscum (860) 383-5240 | <ul style="list-style-type: none">• Physical Disabilities• Sensory Disabilities• Medical Disabilities• Mental Health Disabilities |
| Chris Scarborough (860) 892-5751 | <ul style="list-style-type: none">• Learning Disabilities• ADD/ADHD• Autism Spectrum |

Final Exam: If you wish your final exam returned to you at the end of the semester, kindly provide me with a SAS envelope at the time of the final exam so that I may send it to you

Cell Phones, Beeper and other electronic devices: Kindly turn them off prior to class

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 any object that has an on and off button.

Homework

Do 12 of the following assignments, 10 points each, Total 120 Points

ASSIGNMENTS WILL ONLY BE ACCEPTED BY THE DUE DATE FOR ANY REASONS !!!!!!! Any late work will be reduced by 50%. You can email me for proof of submission by 11:59 of the due date. I will not download them. You are to provide me with 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. Chapter number and Question number, and obviously your name

| Assignment | Due Date |
|---------------------------------------|-------------|
| Chapter 9 Questions, 4,5,6,7,8,9 | Sept 3 |
| Chapter 8 Questions 4,6,8,9 | Sept 10 |
| Chapter 3 Questions 3,4,5,6,8,9,10 | Sept 17 |
| Chapter 1 Questions 4,5,7,10 | Sept 24 |
| Chapter 2 Questions 2,3,6,9 | Oct 1 |
| Chapter 10 Questions 1,2,3,4,5 | Oct 8 |
| Chapter 6 Questions 2,4,5,6,8 | Oct 22 |
| Chapter 7 Questions 3,4,7,8 | Oct 29 |
| Chapter 11 Questions 2,3,4,7 | Nov 12 |
| Chapter 4 Questions 5,6,8,9,10 | Nov 19 **** |
| Chapter 13 ***** Questions 1,3,5,6 | Nov 19 **** |
| Chapter 12 ***** Questions 7,9,10 | Dec 3 |

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Tentative Schedule: Subject to Change

Reading Assignments

This is an important requirement for this class. Your weekly reading assignments are the best available on this topic and there is no possible way that I can cover all the facts and facets of this subject in the lecture hours available. The reading assignments expand on, amplify and illustrate many important things about the organisms of the ocean. I expect you to complete.

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| Aug 27 | Temperate Coastal Sea | Chp 9,4 |
| Sept 3 | Estuaries (Patterns of Associations) | Chp 8 |
| Sept 10 | Phytoplanktom + Zooplankton | Chp 3, 11 |
| Sept 17 | Ocean as a Habitat | Ch 1 |
| Sept 24* | Rocky Neck State Park Rocky Intertidal + Sandy Beach+ Tide Pools Low Tide (17.31 .22) Research Topic Due = 10 points | |
| Oct 1 | Some Ecological Factors (Patterns of Associations) | Chp 2 |
| Oct 8 | Barn Island Wildlife Management Tidal Marsh + Estuary Low tide(15:30 -0.33) | |
| Oct 15 | Test # 1 Chapters 9,8,4,3,11+ | |
| Oct 22 | Tropical + Subtropical Shallow Seas | Chp 10 |
| | Coral Reefs Rough Draft of Research Paper due Typed | |
| Oct 29 | Nekton | Chp 6 |
| Nov 5 | Test # 2, Chapters 1,2,10 | |
| Nov 12 | Marine Tetrapods Finish Research Paper | Chp 7 |
| Nov 19 | Harvesting Living Marine Resources | Chp 13 |

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| Nov 26 | Research Paper Due No Class Thanksgiving | |
| Dec 3 | Deep Sea Floor Communities | Chp 12 |
| Dec 10 | Final Exam: Chapters,6,7,12,13 | |