

## Introduction to Oceanography

**Instructor:** Holly Buckley

**OCE K101 Spring 2017 15 weeks**

**Three semester hour credits**

**CRN#: 11930 Sec. T1**

**Classroom: A221 Wed. 6:00pm – 8:45pm**

**Office Hours: W – 5:30-6:00pm and 8:45-9:15pm (Or by appointment)**

**Email: [Holly.buckley@elpsk12.org](mailto:Holly.buckley@elpsk12.org) (preferably) or [HBuckley@trcc.comnet.edu](mailto:HBuckley@trcc.comnet.edu)**

**Three Rivers Community College**

**Norwich, CT 06360**



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### **Required Text:**

*Investigating Oceanography*, Keith Sverdrup and Raphael Kudela. 2014. McGraw Hill Publishing. 472p. ISBN: 978-0-07-802291-3

### **Catalog Description:**

Introductory Course in Oceanography. Topics to be discussed include: properties of sea water, waves, tides, currents, world ocean circulation, chemical oceanographic processes, life in the sea, and environmental modification and control.

### **Attendance Policy:**

Students are expected to attend class regularly, as in accordance with TRCC attendance policy. If a class is missed due to circumstances beyond your control, **please**, be sure to notify your instructor and make the necessary arrangements for obtaining the lecture notes. **You will be responsible** for the material. If you **miss three** or more classes your **final grade** will be dropped by **5 points from your final grade**.

### **Grade Evaluation:**

There will be 3 non-cumulative examinations. The 3<sup>rd</sup> exam will be given during final exam week. There will be several quizzes based on the reading and lecture from the previous week. Quizzes may be during class or on Blackboard. There will be a research paper and a 5-10 minute presentation of that research. Although the subject matter does tend to build on itself, there will be several in class labs. Exam and quiz questions will consist of multiple choice, matching, short answers, identification, etc. Some questions will come directly from the quick reviews or study problems. Grades will be calculated as follows: Tests: 30%, Research paper & presentation 30%, Quizzes & Classwork 40%.

### **Research Paper & Presentation of Research: (30% of your grade)**

All students are required to maintain a learning portfolio in Digation that uses the (Three Rivers) College Template. This is a suggest assignment for your portfolio. The paper will be ISSUE BASED marine topic of your choice. It will be 5 typed pages with normal margins excluding any diagrams, pictures, tile pages or bibliography (in MLA format). There will be at least 5 references in alphabetical order and at least one must be a **primary source**. A primary

source is a direct or firsthand evidence about an event, object or person. It can include results of experiments, statistical data, audio or video recordings, or eyewitness accounts. It will be typed, double spaced and no more than 12 font. Some paper might be selected to be submitted to turnitin.com to check for plagiarism. You should start your paper soon, the semester goes very quickly. **I WILL NOT ACCEPT ANY LATE PAPERS!** The grade for the paper will be determined by the content, length, number of references and internal citations. Internal citations are required. You must demonstrate an acquisition and an application of knowledge; do not just provide me with someone else's thoughts.

There are numerous internet references at

<http://www.mhhe.com/earthsci/geology/duxfund4e/resources.mhtml> or on Science and the Sea radio/podcast episodes <http://scienceandthesea.org> to get you started. The paper must be ISSUE oriented, not just about an animal. You should be investigating something that is happening in the ocean. If you have any questions, ask them soon. Your topic is due Feb. 15<sup>th</sup>. The paper is due April 26<sup>th</sup>. **Again, no late papers!**

Bibliography Rubric

Category	2	1	0	Total (10)
Correct placement of author, title, etc.	All entries have the author, title, etc., in correct order	A few entries have the author, title, etc., in correct order	None of the entries have the author, title, etc., in correct order	(2)
Correct hanging indent		All entries are correctly indented	Not all entries are correctly indented	(1)
Citations	All sources have been represented in paper	Some sources have been represented	No sources are cited in paper	(2)
Correct capitalization	All of the entries have correct capitalization in titles, names, etc.	A few of the entries have correct capitalization in titles, names, etc.	None of the entries have correct capitalization in titles, names, etc.	(2)
Number of sources	Minimum of 5 sources with one primary	3-4 sources sited with one primary	0-2 sources sited with one primary	(2)
Correct alphabetization		Bibliography is in alphabetical order	Bibliography is not in alphabetical order	(1)

**Add/Drop Procedures:**

Please consult the TRCC catalog for this policy.

**Suggestions for the course:**

To gain a better understanding be sure to read the required reading sections **before** coming to class. Also, be prepared to participate in classroom discussions.

### Final Grade:

100-93.5 = A	76.9-74.0 = C
93.4-90.0 = A-	73.9-70.0 = C-
89.9-87.5 = B+	69.9-67.0 = D+
87.4-84.0 = B	66.9-64.0 = D
83.4-80 = B-	60.0-63.9 = D-
79.9-77.0 = C+	59.9-00 = F

### College Withdrawal Policy:

A student who finds it necessary to discontinue a course once class has met must provide written notice to the registrar. **See Registrar for dates and forms.** After that period, a student wishing to withdraw must obtain written authorization of the instructor to receive a "W" grade on their academic record, non-punitive grade indicating termination of class participation. Students who do not withdraw, but stop attending will receive a grade of "F" for the final grade. Verbal withdrawals cannot be accepted.

### Disabilities Statement:

If you have a hidden or visible disability, which may require classroom or test-taking modifications, please see me as soon as possible. If you have not already done so, please be sure to register with the college disability counselors by contacting the Student Services Office.

- Matt Liscum - Counselor: (860) 215-9265 - Rm. A113
  - Learning disabilities
  - ADD/ADHD
  - Autism Spectrum
  - Mental Health Disabilities
- Elizabeth Willcox, Advisor: (860) 215-9289 - Rm. A113
  - Medical Disabilities
  - Mobility Disabilities
  - Sensor Disability

### Academic and Classroom Misconduct:

The instructor has the primary responsibility for control over classroom behavior and maintenance of academic integrity, and can order the temporary removal or exclusion from the classroom, and/or laboratory, of any student engaged in conduct that violates the general rules and regulation of the institution. Extended or permanent exclusion from classroom, and/or laboratory, or further disciplinary action can be effected only through appropriate college procedure. Plagiarism, cheating, or any form of academic dishonesty is **prohibited**. Students guilty of academic dishonesty directly or indirectly will receive a **zero** for an exercise or exam and may receive an **F** for the course in addition to other possible disciplinary sanctions which maybe imposed through the regular institutional procedures. Any student that believes he or she has been erroneously accused may appeal the case through the appropriate institutional procedures if their grade was affected.

### Digication:

All students are required to maintain an online learning portfolio in Digication that uses the college template. Through this electronic tool, students will have the opportunity to

monitor their own growth in college-wide learning. The student will keep his/her learning portfolio and may continue to use the Digication account after graduation. A Three Rivers General Education Assessment team will select and review random works to not include names and all student work will remain private and anonymous for college improvements purposes. Students will have the ability to integrate learning from the classroom, college and life in general, which will provide additional learning opportunities. If desired, student will have the option to create multiple portfolios.

**OCE K101 - Introduction to Oceanography**

**W: 6:00 -8:45p.m. A-221**

**Tentative Schedule**

**Spring 2017**

**Syllabus Revisions:**

This schedule may be subject to change as the instructor sees fit. Any changes will be announced by the instructor in advance. As this is the first time I am teaching this class - the syllabus is a guideline of our activities.

**Lecture Schedule**

<u>Date</u>	<u>Topic</u>	<u>Reading</u>
Week 1 - Jan. 25	Introduction and History	Prologue & chapter 1
Week 2 - Feb. 1	Quiz 1- prologue & ch. 1 - Lecture: Earth structure & plate tectonics	Chapter 2
Week 3 - Feb. 8	Quiz 2 - chapter 2 - Lecture: Sea floor	Chapter 3
Week 4 - Feb. 15	Quiz 3 - chapter 4 - Lecture: Physical properties of seawater Research topic due = 10 points!	Chapter 4
Week 5 - Feb. 22	Test #1 Prologue - ch. 4	Chapter 5
Week 6 - March 1	chapter 5 - Lecture: chemistry of seawater	Chapter 6 & 7
Week 7 - March 8	Quiz 4 - ch. 5 Lecture: Circulation patterns & currents (possibly online lecture)	Chapter 8
MARCH 15	SPRING BREAK!! - NO CLASS	
Week 8 - March 22	Quiz 5 - chapter 6 & 7 - Lecture: waves	Chapter 9
Week 9 - March 29	Quiz 6 - chapter 9 - Lecture: Tides	Chapter 10
Week 10 - April 5	Test #2 ch.4-9	
Week 11 - April 12	Lecture: Coasts, beaches & estuaries	Chapter 12
Week 12 - April 19	Quiz 7 - Chapter 10 - Lecture: Plankton, productivity & food webs	Chapter 13
Week 13 - April 26	Lecture: Nekton Research paper due!!	Chapter 14
Week 14 - May 3	Quiz 8 - Chapter 13 - Lecture: Benthos	
Week 15 - May 10	3 <sup>rd</sup> exam and presentations	