

KENT STATE UNIVERSITY @ GEAUGA
REGIONAL ACADEMIC CENTER
GEOLOGY 21080/480 (3)
OCEANOGRAPHY
FALL 2012

INSTRUCTOR	OFFICE	CLASS WEB PAGE:
Dr. Sue Clement OFFICE: Room 209 P Home: 330-888-6324	Office Hours M/W 1 - 2pm others by apt.	http://flashline.kent.edu <i>Blackboard Learn Icon (upper right)</i> <i>Message Tool for email</i>

Required Text: *Oceanography: An Invitation to Marine Science*, 7th edition by Tom Garrison
ISBN-10:049539193X | ISBN-13:9780495391937

<http://coursemate.cengage.com/CPReader/View/9781111568726/default.aspx#home>

KENT CORE: This course may be used to satisfy the Kent Core courses requirement. Kent Core courses as a whole are intended to broaden intellectual perspectives, foster ethical and humanitarian values, and prepare students for responsible citizenship and productive careers.

COURSE OBJECTIVE: This course will emphasize the interdisciplinary nature of oceanography by exposing the student to the basic principles of geological, chemical, physical and biological oceanography. Relationships among these systems and interrelationships between oceans and human populations will be emphasized. Students should come away from the course with a greater understanding of how the sea "works" as a system and a more scientific view of the world around them.

GRADING SUMMARY		
GRADE TYPE	DESCRIPTION	FINAL GRADE %
3 midterm exams	Multiple choice & short answer	35%
Final Exam	same format	20%
Virtual Field	Research project with presentation	25%
Others	various other exercises	20%

A \geq 92%, A⁻ 91%-88%, B⁺ 87%-84%, B 83%-81%, B⁻ 80% - 78%,
C⁺ 77% - 74%, C 73% - 71%, C⁻ 70 - 68%, D⁺ 67%-64%, D 63%-60%, F < 60%

Learning Outcomes:

- Describe theories for the formation of the ocean basins
- Discuss the relationships between Plate Tectonics theory and sea floor features
- Predict the behavior of ocean circulation to changes to seawater's chemical properties
- Describe ocean circulation and movement of heat in the Earth's system
- Discuss the relationship between the ocean and weather and climate
- Describe how waves and tides form and their impact along coastlines
- Discuss the characteristics of the world's oceans as an ecosystem
- Discuss the forms of life found in the oceans

ATTENDANCE POLICY: You will quickly see there is a direct correlation between your attendance and a successful outcome in this class. Thus your attendance is mandatory and will be documented throughout the semester. I reserve the right to reduce the final grade and even assign an “F” for any student with excessive absence without prior communication.

MAKEUP EXAM POLICY: The lowest midterm grade will be dropped therefore; there will be no makeup exams. Exceptions can only be made for documented medical excuses. You must notify me when medically possible; otherwise the missed exam will count as your lowest exam grade. No makeup work will be accepted for missed in-class assignments.

ACADEMIC HONESTY: Academic honesty: Per University policy in the Kent State University *Digest of Rules and Regulations* (3342-0-1.8) cheating means to misrepresent the source, nature, or other conditions of your academic work (e.g., tests, papers, projects, assignments) so as to get undeserved credit. The use of the intellectual property of others without giving them appropriate credit is a serious academic offense. It is the University's policy that cheating or plagiarism result in receiving a failing grade (0 points) for the work or course. Repeat offenses may result in dismissal from the University.

CLASSROOM BEHAVIOR EXPECTATIONS: Disruptive behavior is unacceptable. Students are expected to be attentive and respectful to faculty and other students. Cell telephones should be turned off or put on vibrate. Texting during class is not acceptable. You will be asked to leave the classroom if this policy is disregarded.

STUDENTS DISABILITIES SERVICES

In accordance with, University Policy 3342-3-1.8 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note you must first verify your eligibility for these through Student Disability Services you may call 440-834-3726 or contact the Academic Support Coordinator, for more information on registration procedures.

Oceanography
Lecture Schedule

WEEK	MONDAY	WEDNESDAY	CHAPTER
1	August 27 st Introduction to Oceanography	August 29 st Formation of Earth's Oceans	CH 1 CH 2
2	September 3 th No Classes: Labor Day	September 5 th Earth's Internal structure	CH 3
3	September 10 th Sea Floor Spreading	September 12 th Plate Tectonics	CH 3
4	September 17 st Virtual Field Trips	September 19 st Exam 1	
5	September 24 th Sea Floor & Continental Margins	September 26 th Sediments of the Sea Floor	CH 4 CH 5
6	October 1 rd Properties of Seawater	October 3 th Circulation of the Atmosphere	CH 6 & 7 CH 8
7	October 8 th Circulation of the Ocean	October 10 th Virtual Field Trips	CH 8 CH 9
8	October 15 th Exam 2	October 17 th Tropical Cyclones & El Niño	CH 8 CH 9
9	October 22 th Waves & Tides	October 24 th Tsunami	CH 10 CH 11
10*	October 29 st Coastal Erosion	October 31 st Virtual Field Trips	CH 12
11	November 5 th Exam 3	November 7 th Resources of the Ocean	CH 17
12	November 12 th Life in the Ocean	November 14 th Plankton, Algae and Plants	CH 13 CH 14
13	November 19 st Marine Animals: Invertebrates	November 21 st No Class: Thanksgiving Travel Day	CH 15
14	November 26 th Marine Animals: Vertebrates	November 28 th Marine Communities	CH 15 CH 16
15	December 3 th Life in Extreme Environments	December 5 th Virtual Field Trips	
FINAL EXAM: MONDAY DECEMBER 10 th @ 10:45am			

**November 6th is the last day to withdraw!*