

Oceanography - Course Information – September 2019

Mr. Zollner Room 225
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Course	4017 OCEANOGRAPHY Half Year (0.50 Science Credits / Weight 0.50)
Prerequisites	Earth Science and Living Environment
Textbook	Greene, Thomas F., <i>Marine Science: Marine Biology and Oceanography</i> , 2nd or 3rd edition, Amsco School Publications (Perfection Learning).
Reference Framework:	<i>Ocean Literacy: The Essential Principles and Fundamental Concepts of Ocean Sciences</i> , Ocean Literacy Network. URL: http://oceanliteracy.wp2.coexploration.org/
Websites	Mr. Zollner TeacherPage, Google Classroom, textbook companion website: https://marinescience.perfectionlearning.com/
Ocean Literacy and Essential Principles	How are you influenced by the ocean, and the ocean influenced by you? Understanding the ocean is essential to comprehending and protecting this planet on which we live. The Essential Principles of Ocean Sciences* are 1. The Earth has one big ocean with many features. 2. The ocean and life in the ocean shape the features of Earth. 3. The ocean is a major influence on weather and climate. 4. The ocean made the Earth habitable. 5. The ocean supports a great diversity of life and ecosystems. 6. The ocean and humans are inextricably interconnected. 7. The ocean is largely unexplored. <i>*Ref: Ocean Literacy Network</i>
Topics	Oceanography is an interdisciplinary science that draws on Physics, Chemistry, Earth Science, Biology and Engineering. Oceanography topics in the course will include: - Oceanic History - Formation and Exploration - Plate Tectonics - Physical and Chemical properties of seawater - Marine Environments - Marine Life and Diversity - Tides, Waves, and Currents - Climate and the Ocean - Interdependence of humans and the ocean

Supplies	Supplies required to bring to class every day: • Notebook and pen or pencil to take notes. • Folder or a 3-ring binder to organize information your receive. • Scientific calculator (TI-30XIIS or Graphing Calculator is recommended). Resources required outside of class: • Access to a computer with an internet connection (in the library or at home).
Grading	A total points system will be used for calculating grades. Approximate <i>marking period</i> weightings are as follows: Class Participation: 5% - 15% Classwork/Labs/Homework: 25% - 35% Quizzes: 15% - 25% Tests, Projects: 30% - 40% Grades are posted on Infinite Campus and available through the Parent/Student Portal.
Final Exam	Local Exam worth 20% of course grade
Class Participation Expectations	Every student is an important member of our class learning community. All students are expected to <u>consistently attend class prepared to learn, adhere to classroom rules, and actively engage in learning activities. The use of cell phones and other electronic distractions are not permitted in class, unless a student receives specific permission</u> to use their personal electronic device as part of a learning activity. Most importantly, come prepared to enjoy learning and exploring an incredibly wonderful science.
Classroom Rules	1. Bring all supplies to class every day. 2. Be in your assigned seat when the bell rings. 3. Follow directions from the teacher the first time they are given. 4. Be respectful of yourself, your fellow students, your teacher, and your school. 5. Leave the room quietly when your teacher dismisses you.
Safety	It is essential that students adhere to the Laboratory Safety Procedures provided and conduct themselves in a responsible manner in the science room. Please sign the safety agreement form.
Office hours	I am generally available for extra help Tue - Thurs after school in Room 225 or Room 10 from 2:15pm until 3:15pm by appointment.

LABORATORY SAFETY PROCEDURES:

1. Students must conduct themselves in a responsible manner at all times in the science room.
2. Alert the instructor immediately if glass gets broken or any chemicals spill, so that it can be cleaned up and discarded properly.
3. Report any accident or injury to the instructor immediately, and follow procedures as instructed.
4. Return all lab equipment to the storage area before leaving the work area.
5. Follow the directions given by your instructor while in the science room.
6. Wearing *Closed-Toe Shoes* is recommended at all times while in the science classroom, as we will frequently be working with heavy objects.
7. *Eye Safety Devices* must be worn whenever instructional programs involve use of hot solids or liquids, and certain equipment such as springs. Goggles or Safety Glasses must be worn during labs except when specifically told by the instructor that they are not needed.
8. In the event of an emergency or emergency drill, follow your instructor's directions.
9. Familiarize yourself with the location of emergency equipment in the classroom including

Exits	Evacuation routes	Class telephone
Eye wash	Fire extinguisher	Fire blanket

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PLEASE RETURN THIS PORTION TO THE INSTRUCTOR

I have read the attached course information for OCEANOGRAPHY, including the *expectations, classroom rules, and laboratory safety procedures* and have discussed these requirements and responsibilities with my parents/guardians and I agree to follow them.

(Student Signature)

I have read the attached course information for OCEANOGRAPHY, including the *expectations, classroom rules, and the associated laboratory safety procedures* and have discussed these requirements and responsibilities with my son/daughter.

(Parent/Guardian Signature)

Is there any special information you think would be helpful for me to know regarding your son/daughter? (Please continue on back if needed.)