



OCEANOGRAPHY

Insert Teacher Name

Insert Room Number

Semester

Insert Period

Insert Email Address

COURSE DESCRIPTION

Oceans worldwide are experiencing increasing toxic contamination; warming and 70% of all commercial marine fisheries are over fished. The course explores the basis for understanding our rapidly changing ocean environment. The course is closely related to environmental science and is accompanied by readings in an introductory college level textbook. It is strongly recommended that students who wish to take oceanography precede that course with marine biology. The oceanography semester investigates salt-water properties, chemistry, navigation, climatologic factors, coastal and pelagic environments, currents and geophysical phenomena among other topics.

COURSE OBJECTIVES

Students will understand that:

- Heating of the Earth's surface and atmosphere by the sun drives convection within the atmosphere and oceans, producing winds and ocean currents
- Each element on Earth moves among reservoirs which exist in the solid earth, in oceans, in the atmosphere, and within and among organisms as part of biogeochemical cycles
- Energy enters the Earth system primarily as solar radiation and eventually escapes as heat.
- Climate is the long-term average of a region's weather and depends on many factors.

UNITS OF STUDY

- Intro and History of Oceanography
- The Earth's Oceans
- Geology of the Oceans
- Properties of Water and Chemical Oceanography
- Physical Oceanography (Waves, tides, and Currents) and The Atmosphere
- Coastal Processes and Sediments

COURSE POLICIES AND REQUIREMENTS

GRADING

Summative Assessments:	90%
	Insert Categories/Weighting (ie. Papers – 30%)
Formative Assessments:	10%
	Insert Categories/Weighting (ie. Quizzes – 50%)
Behavioral Characteristics:	0%
	Insert Categories/Weighting (ie. Particip. - 90%)
Insert Additional Grading Information Here	

MATERIALS

Insert Course Materials Here (ie. Textbook, Binder, Calculator, Highlighters)

EXPECTATIONS OF STUDENTS

Insert Course Expectations Here

EXTRA HELP

Insert Course Expectations Here

Insert Additional Information Here