



MARINE BIOLOGY

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 courses explore the basis for understanding our rapidly changing ocean environment. Marine biology is usually offered in the fall semester. The course is closely related to environmental science and is accompanied by readings in an introductory college level textbook. Dissections are an integral component of the marine biology course. It is strongly recommended that students who wish to take oceanography precede that course with marine biology.

COURSE OBJECTIVES

Students will understand that:

- The fundamental life processes of plants and animals depend on a variety of chemical reactions that occur in specialized areas of the organism's cells
- Mutation and sexual reproduction lead to genetic variation in a population
- Stability in an ecosystem is a balance between competing effects
- Evolution is the result of genetic changes that occur over time
- Organisms have a variety of mechanisms to combat disease
- 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

UNITS OF STUDY

- Biology Basics
- Marine Ecology
- Life between the Tides
- Salt Marsh Community
- Estuaries
- Continental Shelf
- Deep Ocean
- Coral Reefs

COURSE POLICIES AND REQUIREMENTS

GRADING

Summative Assessments:	90%
Formative Assessments:	10%
	Insert Categories/Weighting (ie. Papers – 30%)

Behavioral Characteristics: Insert Categories/Weighting (ie. Quizzes – 50%)
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