

# Dr. Steve W. Altstiel

Welcome to the World of the Sciences  
Job Corps: 605-346-3636 ext. 1142526

[Home](#)[AP Chemistry](#)[General Chemistry](#)[Anatomy & Physiology](#)[more...](#)

## Marine Biology Syllabus

**Course Name:** Marine Biology

**Textbook:** Marine Biology, 8th Edition; McGraw Hill

**Teacher Name:** Dr. Steve W. Altstiel

**Phone Numbers: DSN:** 629-4071

**Email Address:** [steve.altstiel@eu.dodea.edu](mailto:steve.altstiel@eu.dodea.edu)

**Planning Periods:** 4 and 5

**Location:** Room 107

**Course Description Summary:** This course is designed for students with a special interest in marine biology. Marine Biology explores and introduces the student to marine life, marine biological communities, and marine ecology. The course includes lecture, labs, and field trips. This course has a substantial laboratory component. After completing this course, students should be able to:

- Describe the components of marine communities, and the physical and biological factors that shape their composition.
- Explain basic ecological principles e.g. energy flow, population dynamics, nutrient cycles.
- List the characteristics of major groups of marine organisms e.g. algae, cyanobacteria, fishes, invertebrates.
- Classify marine life into the appropriate taxonomic groups.
- Explain how humans use biological ocean resources.

**Biology is a prerequisite.** Detail course description can be found at: <http://www.dodea.edu/curriculum/>

**Philosophy:** I strongly believe that every individual has the ability to learn and succeed. It is my responsibility as an educator to provide students with a classroom environment conducive for learning. It is my duty to demonstrate a positive attitude, to be effectively motivational, and to aid in engendering a student's desire to be a life-long learner. It is the student's responsibility to hold the desire to learn, to possess the willingness to be taught, and to maintain an eagerness to explore new ideas.

### Material:

Notebook, Metric Ruler. Colored Pencils

POWERED BY

A 90-100  
B 80-89  
C 70-79  
D 60-69  
F 59 or below

**Assessment:**

Tests: 30%  
Chapter/periodic Quizzes: 10%  
Participation: 20%  
Homework: 40%

**Late Work Policy:** All assignments should be completed neatly and include all calculations, if any, at the final answer. Assignments are due the following day in class unless otherwise stated. Late homework will be accepted for partial credit, but is not encouraged. 75% of grade if handed in by 1455 hrs the same day assignment is due. 50% of grade if handed in by the start of the next class session after due date.

Homework not complete by the start of the next class session will not be accepted for credit.

**Tutoring/Extra Help:** I almost always stay for 30 minutes or later after class and students are more than welcome to come for assistance. I will make myself available to those students needing extra help during seminar or after school if needed. To ensure that I will be here appointments would be preferred. The student or parent can either call or email me.

**Classroom Management:** I expect the students to follow the rules of the school and I enforce those rules. I expect students to be respectful to me and their peers. I am a strong believer that good honest communication can resolve almost any situation. Students will be responsible for following all rules as laid out in the Naples American Middle High School Student Handbook. All my classroom guidelines fall under one word: RESPECT! If a student will respect himself/herself; respect his/her classmates; and respect me as their teacher, all will be well and we will not have to face disciplinary difficulties. See the student handbook, Table of Consequences for details on what could be expected from specific behaviors.

**Content Outline:** To start the year we will study the scientific method, and general laboratory procedures. After this, we will study the areas of oceans, lakes and streams. Next, we will focus on the habitats of these areas. This habitats include the plant and animal communities. Lastly, we will focus on the environmental degradation of these communities by humans. Please remember this is a rough outline, and there are many more categories and subjects that encompass each of these topics.

[Back to Top](#)

[Marine Biology Page](#)

[Home](#)