

# Bemidji State University

## BIOL 3850: Marine Biology

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Lecture course introducing major concepts and theories. Includes physical and chemical components of the oceans, with special interest paid to the major groups of organisms living in marine systems. Emphasis on the different types of marine systems (coral reefs, mangroves, open water, etc.). Prerequisites: BIOL 1400 and 1500. Might not be offered every year.

**B. COURSE EFFECTIVE DATES:** 11/30/2003 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Abyssal Zone
2. Algae & Marine Toxins
3. Aquaculture
4. Coral Reefs
5. Coastal Environments
6. Deep Sea Vents
7. Estuaries
8. Fishes
9. Geography of Oceans
10. Kelp Forests
11. Mangroves
12. Marine Biotechnology
13. Marine Invertebrates
14. Marine Mammals
15. Mudflats
16. Ocean Currents & Tides
17. Open Ocean/Pelagic Zone
18. Organism Distribution
19. Origins & Geology of Oceans
20. Reptiles & Seabirds
21. Rocky Intertidal
22. Salt Marshes
23. Water Chemistry & Properties of Water

**D. LEARNING OUTCOMES (General)**

1. learn an introduction to major concepts and theories of marine biology.
2. demonstrate and understanding of physical, chemical, and geologic components of the oceans.
3. identify major groups of organisms living in marine systems.
4. learn the different types of marine systems and the organisms inhabiting them.

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted