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
   1211 and 1212. 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