

MARINE SCIENCE (MSCI)

MSCI 101 - The Ocean Environment (4 Credits)

Origin and evolution of the oceans, plate tectonics, ocean circulation, waves and tides, seawater and sediment composition, and influences on biology. Three lecture and three laboratory hours per week. Scheduled field trips required.

Carolina Core: SCI

MSCI 102 - The Living Ocean (4 Credits)

Origin, evolution, and diversity of marine life, biological production, trophic dynamics, nutrient cycles, marine resources, and environmental concerns. Three lecture and three laboratory hours per week. Scheduled field trips required.

Carolina Core: SCI

MSCI 210 - Oceans and Society (3 Credits)

A nontechnical introduction to human interactions with the marine environment: marine organisms, marine systems, and the physical and chemical characteristics of oceans and estuaries. Not available for marine science major credit.

Carolina Core: SCI

MSCI 210L - Oceans and Society Laboratory (1 Credit)

Experiments and exercises which illustrate how specific components of marine environments are structured, function, and can be measured. Two laboratory hours per week. Not available for marine science major credit. Attendance on designated field trips may be required.

Prerequisite or Corequisite: MSCI 210.

Carolina Core: SCI

MSCI 215 - Coastal Environments of the Southeastern U.S. (3 Credits)

Coastal zones of South Carolina and neighboring states, including geologic history, geomorphology, stratigraphy, hydrogeology, shoreline processes, environmental issues, and effects of man. Not available for geological science or marine science major credit. Three lecture hours each week plus optional field trips.

Cross-listed course: GEOL 215

Carolina Core: SCI

MSCI 215L - Coastal Environments of the Southeastern U.S. (Laboratory) (1 Credit)

Exercises examining coastal ecology, geomorphology, hydrogeology, shoreline processes, environmental issues, and human impact. Not available for marine science major credit. Two laboratory hours per week. Scheduled field trips required.

Prerequisite or Corequisite: D or better in GEOL 215 or MSCI 215.

Cross-listed course: GEOL 215L

Carolina Core: SCI