SCIENCES

SCI 300. OCEAN SCIENCE.

This course, which provides a foundation in the fundamentals of the marine sciences, is designed to bring together aspects of Oceanography, Marine Biology, and the Marine Industry. It includes a study of the physical, chemical, and geological aspects of oceanography, as well as some aspects of marine biology, and life along with the coastal environment. Students in this course participate in field trips to rocky coastlines, mangrove sites, and beaches.

Prerequisite: MAT 141 and NSC 101.
3 credits

SCI 301. AGROECOLOGY.

This interdisciplinary course examines the foundations of agroecology from biological, nutritional, cultural, and sociological perspectives, the potential impact upon contemporary societies, and the challenges faced by climate change. Familiarize with such key concepts as organic versus industrial farming, the plant cycle and elements contributing to the same, the use of fertilizers, food sovereignty, and community-centered sustainable development in a regional and contemporary global context. Practical activities will focus on field visits to local farms where the extent of both indigenous knowledge and modern technologies to foster sustainability will be assessed.

Prerequisite: English 111 and NSC 102
3 credits