

Specialized Courses in Aquarium Track

Core Zoo and Conservation Science Major Courses:

- *Introduction to Zoo and Conservation Science (ZOSC 1010)*: Spring First year: learn about the many facets of zoos and aquarium. Labs held at the Columbus Zoo and Aquarium. (Young)
- *Sophomore Practicum: Wildlife Rehabilitation and Education (ZOSC 2010,2011)*: Students work at the Ohio Wildlife Center tending to rescued wildlife and doing community education. (Gibson)
- *Conservation Biology (Bio 3020)*: A required upper level Biology course for Zoo majors in both tracks. The course examines the scientific principles behind conservation and how conservation is carried out in the real world. (Young, Rich)

Core Courses Specific to the Aquarium Track

- *Marine Science (ESCI 1002)*: Taken either as a first year student, or as a sophomore, this course introduces students to the physical and biological aspects of the oceans, and reviews all of the major marine ecosystems (Lescinsky)
- *Junior Aquarium Practicum: Water Quality (ZOSC 3015)*: Students maintain their own aquarium, visit aquarium sites at various facilities and learn Water Quality so they can sit for the AALSO Level 1 certification exam. (Lescinsky)
- *Junior Aquarium Practicum: Life Support (ZOSC 3016)*: Similar to ZOSC 3015 in up-keeping tanks and visiting various facilities. Course material is geared for preparing students for the AALSO Level 1 certification exam in "Life Support". (Lescinsky)
- *Aquarium Internships (ZOSC 4900)*: Many students complete internships at the Columbus Zoo and Aquarium, Reef Systems Coral Farm, and elsewhere.

Aquarium Specific Electives:

- *Aquatic Ecology (Bio 3060)*: Learn about life in freshwater. Field studies on local river and lake organisms. (Hoggarth)
- *Invertebrate Zoology (Bio 3300)*: Understanding invertebrates is key to almost all aquatic systems. Learn about the most diverse and interesting animals. (Hoggarth)
- *Coral reef Ecology (Bio 3340)*: Learn the science behind coral reefs and their place at ground zero for the impacts of global change. Course includes group projects using the Aquarium tanks. (Lescinsky)
- *SCUBA Diving (LFW 1039)*: SCUBA diving is great fun, but it is also a very important tool for the scientific investigation of marine systems, and in public aquariums for education and scrubbing algae off the glass. Highly recommended, but not suited for students with asthma and several other health concerns. (TBA) *Pool/Equipment Fee*; taught at a local SCUBA shop
- *Nature of Belize (Travel Course)*: For the last 2 decades, students have been traveling to Belize to experience reefs and rainforests first hand. This course focuses on tropical nature and students will snorkel in many different reef environments on the MesoAmerican Barrier Reef Complex. Course includes short independent research projects, and the Belize Rain Forest. (Lescinsky) *Travel Fee*.