

# AQS 215 : Biology of Captive Fishes

Examines the anatomy and physiology of freshwater and marine fishes and the constraints placed upon them in a controlled environment. Increases an understanding of fish behavior through the use of ethograms.

**Credits** 4

**Subject**

Aquarium Science

**Course Outcomes**

- Identify basic external and internal anatomical features of fishes.
- Identify fish species using a dichotomous key.
- Recognize the immense diversity and variation among living fishes.
- Describe the effects of key factors in the captive controlled environment on respiration, metabolism, immune response, food assimilation, growth, reproduction, and behavior.
- Understand the influence of stress on fish physiology, health, and behavior.
- Describe osmoregulatory processes of marine and freshwater fishes.
- Develop and conduct a study of captive fish behavior.