

Differentiation Summary – Field Ecology of Aquatic Organisms

Student Learning Objectives

FAS4932

Upon completion of this course, students will be able to:

- Identify key flora and fauna found in Florida's ponds, lakes, streams, rivers, estuaries, and nearshore coastal waters and have a basic understanding of their ecologies
- Utilize sampling gear and methods to collect flora and fauna across a broad range of habitat types
- Discuss important ecological relationships in Florida's diverse aquatic ecosystems
- Summarize the potential consequences of human activities and natural disturbance events on the structure and function of aquatic ecosystems in Florida
- Describe the priorities and role that state and federal environmental and resource management agencies have in conserving, regulating, or restoring the aquatic systems and organisms in Florida.

FAS5276C

Upon completion of this course, students will be able to:

- Identify key flora and fauna found in Florida's ponds, lakes, streams, rivers, estuaries, and nearshore coastal waters and have a basic understanding of their ecologies
- Proficiently utilize sampling gear and methods to collect flora and fauna across a broad range of habitat types
- Discuss important ecological relationships in Florida's diverse aquatic ecosystems
- Assess the potential consequences of human activities and natural disturbance events on the structure and function of aquatic ecosystems in Florida
- Evaluate the priorities and role that state and federal environmental and resource management agencies have in conserving, regulating, or restoring the aquatic systems and organisms in Florida.
- Create original educational content about the ecology of a select aquatic species in Florida incorporating field observations.

Grading

FAS4932

Participation & Professionalism 50 pts

Exams

Freshwater flora and fauna field identification midterm 100 pts

Flora and fauna estuarine/marine field identification final 100
pts

Written final 100pts

Total 350pts

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Participation & Professionalism 50 pts

Exams

Freshwater flora and fauna field identification midterm 100 pts

Flora and fauna estuarine/marine field identification final 100
pts

Written final 100pts

Video Project 100 pts

Total 450pts