

Schedule of Academic Topics, Themes, & Objectives

Class	Topic	Theme	Objective
1	Introduction	Introduction to Course	- To build a foundation for the course
2	Geology and Climate	Ecology Concepts	- To describe the history of the Florida Peninsula
3	Ecosystems	Ecology Concepts	- To explain ecosystem functions and processes
4	Evolution and Biodiversity; Ecology of Ants Lab	Ecology and Biodiversity	- To engage student understanding of evolution and components of biodiversity
5	CREW Field Excursion	Inland/Upland/Freshwater	- To provide interaction with regional ecosystems
6	Ecosystem-based Management: The Everglades	Current Issues	- To discuss management strategies while understanding the Greater Everglades Ecosystem, human impacts, and CERP
7	Corkscrew Swamp Sanctuary Field Excursion	Inland/Upland/Freshwater	- To provide interaction with regional ecosystems
8	Human Population and Age-Structure Lab	Issues/Freshwater	- To understand exponential human population growth and consequences for natural goods and services
9	Living in a Democracy: Bonita Nature Place and City Hall Visit Field Excursion	Scrub/Riverine/Hammocks	-To provide interaction with regional ecosystems - To interact with local political leaders and gain insight into local politics and environmental issues
10	Barefoot Beach Preserve Field Excursion & Estuarine Lab	Estuarine/Marine/Barrier Islands	- To provide interaction with regional ecosystems and understand coastal urbanization
11	Freshwater Supply Concerns	Current Issues	- To discuss issues related to supply of freshwater in Florida and globally
12	GIS Computer Lab Exercise: Hurricanes, Coastal Areas, and Flood Zones	Natural Disturbances and Current Issues	- To provide valuable technical skills related to using GIS as a learning tool to visualize course content
13	SW Florida and Urban Ecosystems Lab	Current Issues / Ecoresort & Sustainability Capstone Project Webpages due	- To assist with comprehension of our urbanized society and the consequences of our lifestyle choices
14	Civic Engagement Group Presentations, Tragedy of the Commons, Class Recap	Estuarine/Marine & Course Recap	- To explore the Tragedy of the Commons using overexploitation of marine resources as an example
15	Final Exam	Summary Essay	- To assess student comprehension, retention, and writing skills