

Day 1	Friday, January 10, 2025 – Class at Turkey Creek Sanctuary
8:30am-9:30am	Welcome to FMNP Freshwater Systems; Course Objectives & Overview; Final Project Requirements
	Discuss student learning applications: <ul style="list-style-type: none"> <li>• <b>5 minute Interpretive Talks</b> – It can be anything related to freshwater systems, use the form given out the first day in class. There will be time/date slots to choose from during the course.</li> <li>• <b>Final Group Projects</b> – Begin selecting topics and forming groups asap. These will be presented to the entire group on the last day of class, Friday January 31, 2025</li> </ul>
9:30am –12:30pm	Classroom presentations: Freshwater Systems Ecology& Forested Wetlands
12:30pm –1:30pm	Lunch-on your own. Please be back and ready to start at 1:30pm
1:30pm-2:00pm	Video: Lakes, Rivers, and Streams
2:00pm-4:00pm	Field Trip-Turkey Creek Sanctuary- Freshwater Rivers and Streams
4:00pm-5:00pm	Review and questions; work on ideas for 5-minute talk & final projects
Day 2	Saturday January 11, 2025- Class and Field Trip at Erna Nixon Park
8:30am-11:30am	Classroom Presentations: Herbaceous Wetlands & Interpretation of Freshwater Systems
11:30am-12:00pm	Video: Marshes
12:00pm-1:00pm	Lunch-on your own. Please be back and ready to start at 1:00pm
1:00pm-2:30pm	Classroom Presentation: Amphibians
2:30pm-4:00pm	Field Trip-Erna Nixon Park-Freshwater Marshes
4:00pm-5:00pm	5-minute interpretive talks
Day 3	Friday January 17, 2025 – Field Trips and Class at the IRCIRC
	<b>8:00am meet at Egret Marsh-Follow directions <u>NOT GPS!</u></b> Guide and Guest Speaker: <b>Alexis Peralta</b> , Stormwater Educator, Indian River County Stormwater Division/Natural Resources Department
8:00am – 12:00pm	<p><b>Freshwater Field Trip - Egret Marsh Stormwater Park</b>, 7295 4th St, Vero Beach, 32968</p> <ul style="list-style-type: none"> <li>• Egret Marsh removes dissolved nutrients from canal water before the water enters the Indian River Lagoon. Egret Marsh began operation in April 2010, and it cost \$7.3 million to construct, including improvements. It removes dissolved nitrogen and phosphorus from eight to ten million gallons of canal water daily. Egret Marsh’s treatment system includes a 4.6-acre algae farm that removes much of the water’s nitrogen and phosphorus load. Additional nutrient quantities are removed when the water flows through a large downstream polishing pond system and a created wetland before reentering the canal system. Egret Marsh is also a dedicated wildlife sanctuary home to many reptiles, mammals, and bird species.</li> </ul> <p><b>Freshwater Field Trip - Osprey Acres Stormwater Park</b>, 925 5th St SW, Vero Beach, 32962</p> <ul style="list-style-type: none"> <li>• Osprey Acres Stormwater Park and Nature Preserve is an 83.7-acre facility that boasts a range of natural Florida ecosystems, including uphill pine, mesic oak hammock, a small scrub area, and now manmade wetlands. Having these various habitats promotes a wealth of biodiversity within the property. Originally slated for more than 400 home parcels, Osprey Acres was bought by Indian River County to not only preserve these fragile ecosystems but to aid in further treatment of stormwater and reverse osmosis reject water before these waters enter the Indian River Lagoon. Water for treatment comes from Osprey Marsh (next door) and untreated canal water. Osprey Marsh removes dissolved nutrients from canal water and the South County Water Treatment Plant’s reverse osmosis brine discharge before flowing into the Indian River Lagoon. Osprey Marsh began operation in the spring of 2015. Daily, it removes dissolved nitrogen and phosphorus from ten million gallons of canal water and up to 1.5 million gallons of reverse osmosis brine discharge. Osprey Marsh’s treatment train includes a 4.6-acre algae farm that removes much of the water’s nitrogen and phosphorus. Additional nutrients are removed in a polishing pond and a created wetland.</li> </ul>
12:00pm-1:00pm	Lunch and travel to <b>Indian River County Intergenerational Recreation Center</b> , 1590 9th St SW, Vero Beach
1:00pm-4:00pm	Classroom Presentations: Permanent Wetlands & Birds
4:00pm-5:00pm	5-minute interpretive talks

<b>Day 4</b>	<b>Saturday January 18, 2025 – Field trip and Class at Enchanted Forest Sanctuary</b>
8:30am-11:30am	Field Trip-Enchanted Forest Sanctuary with guest speaker
11:30am-12:00pm	Video: Swamps
12:00pm-1:00pm	Lunch-please be back and ready to start at 1:00pm
1:00pm-4:00pm	Classroom Presentations: Freshwater Fish & Reptiles
<b>Day 5</b>	<b>Friday January 24, 2025- St. Sebastian River Preserve State Park</b>
8:30am-11:30pm	Field Trip-Cypress Forest & Dome-Freshwater Swamps-Long hike!
11:30am-12:00pm	SSRPSP Guest Speaker
12:00pm-1:00pm	Lunch: <b>Bring your own lunch! No close places to eat or purchase lunch!</b>
1:00pm-2:00pm	5-minute interpretive talks (outside!)
2:00pm-4:00pm	Afternoon hike to pitcher plants if possible
<b>ON YOUR OWN</b>	<i>Link will be sent via email after class.</i>
	<b>Please complete and submit this form to UF within 24 hours of receiving the link.</b> Final Group Project Form <ul style="list-style-type: none"> <li>• 1 form is due per group.</li> <li>• Determine who is willing and responsible in your group who will complete this task for your whole group; this is not filled out by every member of the group.</li> <li>• After completion, please send Jeanne an email confirming that this was sent to UF.</li> </ul>
<b>Day 6</b>	<b>Saturday January 25, 2025- Erna Nixon Park 3 presents + 1 video</b>
8:30am-11:30am	Classroom Presentations: Invertebrates & Mammals
11:30am-12:30pm	5-minute interpretive talks
12:30am-1:30pm	Lunch
1:30pm-2:00pm	Video: Wetlands in Modern Human Society
12:30pm-4:00pm	Classroom Presentation: Ethics in Environmental Education & Eco-Heritage Tourism
	<u>Announcements:</u> <ul style="list-style-type: none"> <li>• Final project presentations to class next Friday, please enter your final projects into UF database before next Friday.</li> <li>• Bring cell phones or laptops next Friday for post-tests in class before graduation!</li> <li>• Pot-luck lunch after graduation. Bring something to share with everyone.</li> </ul>
<b>Day 7</b>	<b>Friday January 31, 2025- Turkey Creek Sanctuary Final Project Presentations and Pot-Luck lunch</b>
8:30am-12:30pm	Final project presentations to the entire class-20-minute maximum per group
12:30pm-1:00pm	Watch Endowment video and take post-tests in class, please do class evaluations asap!
1:00pm-1:15pm	Graduation ceremony!
1:00pm-until	Pot-luck lunch