

FOR 6934 --Longleaf Pine: Ecology, Management, & Restoration -- 2 Credits ---- May 10-15, 2020 (Enrollment cap. 10 students)



This field-based course covers the ecology, management and restoration of the longleaf pine ecosystem. Topics include longleaf pine history, conservation status, fire ecology, timber management, and biodiversity. Discussion and hands-on activities of management and restoration techniques for overstory, understory, and wildlife are incorporated. The course is an intensive 6-day and 5-night Maymester class based at the Joseph W. Jones Ecological Research Center in Newton, GA with field trips to Thomasville, GA, St. Marks National Wildlife Refuge and Apalachicola National Forest in FL.

Program Location

The Jones Center is a 30,000+ acre Longleaf Pine conservation and ecological research facility. There is dorm housing and a classroom on site that we will utilize along with daily field activities. We will spend one night offsite visiting a diversity of longleaf pine community types in south Georgia and the Florida Panhandle.



Program/Course Leaders



Dr. Eric Jokela, Professor Emeritus, School of Forest Resources and Conservation, University of Florida
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This course is team taught. Other lead instructors include Dr. Daniel Markewitz, University of Georgia, Mr. Kevin McIntyre, Jones Center. Multiple other research scientists and land managers participate.

Academic Program

FOR 6934 Longleaf Pine: Ecology, Management & Restoration -- 2 credit hours. Costs: UF tuition, plus \$175 that includes housing, lunches, transportation, and course materials.

Housing and Meals

At the Jones Center you will be staying in the student dorms. These facilities have individual rooms with 2 twin beds and shared bathroom/shower facilities. You will need to bring your own towels and linens or sleeping bag as well as toiletries and personal items. Laundry facilities are available in each dorm, but detergent is not supplied. The course will begin on Sunday evening, with dinner provided and a brief introductory presentation. For the week, the Jones Center will provide lunch all days – please provide us with any dietary restrictions you may have prior to arriving. You will need to supply your own breakfast daily. Dinner will be your responsibility,

with the exception of Sunday night. Monday and Tuesday nights we will be at the Jones Center, where the student dorms have full kitchens and cooking equipment. There are also options nearby in Colquitt (~20 miles) if you want to go out to eat. On Wednesday, we will leave for an overnight field trip to the FL panhandle to see different types of longleaf pine. We will overnight in a hotel. We will go out to a restaurant for Wednesday night's dinner, with everyone responsible for their own bill. Thursday we will stop at a restaurant on the way back to the Jones Center, again with everyone covering their own tab.

May 10-15: Program Itinerary (Tentative)

Sunday, May 10

5:00 PM Arrival, check in

5:30 Jones Center introduction, course overview
Longleaf Pine (LLP) History and Conservation Status

6:30 Dinner

Monday, May 11

8:00 AM LLP Natural History and Stand Dynamics

9:00 LLP Communities

9:45 LLP Soils

10:30 Fire Ecology and Management

11:30 Longleaf Pine Understory

1:00 Field Tour – Ichauway LLP Communities
(hurricane damage, moisture gradient, mixed LLP/HW, wetlands, stocking, structure, ground cover, soils, etc.)

3:30 Silvicultural Systems

4:15 Stoddard-Neel Approach (concepts)

Tuesday, May 12

8:00 AM Depart for Overnight Field Tour

9:30 Greenwood Plantation Old Growth LLP

12:30 Depart Greenwood

2:00 Tour St. Marks NWR LLP Management

5:30 Arrive Shell Island Fish Camp

Wednesday, May 13

8:00 AM Depart Shell Island Fish Camp

9:30 Apalachicola National Forest
Sumatra Bogs
Apalachee Savannas

Briar Patch Treatment Area

1:30 TNC Apalachicola Bluffs and Ravines Preserve
LLP wiregrass restoration
Steephead Ravines

4:00 Depart for Ichauway

Thursday, May 14

8:00 AM Artificial Regeneration
Old Field
Cutover

8:30 LLP Wildlife – LLP herpetofauna overview

9:00 Field Tour
Wetlands *Sand Pond*
Gopher Tortoise
RCW

Ichauway Restoration Sites

1:00 LLP, Ecohydrology, and Water Yield

1:30 Carbon Cycling Overview

2:15 LLP Management in a Changing Climate

2:45 Field Tour
ASCC Project
Ichauway Restoration Sites

Friday, May 15

8:00 AM Economics

8:30 Stoddard-Neel Approach (application), overview of marking

10:00 Marking Exercise

12:00 PM Review Marking Exercise

1:30 Field Tour
Ichauway Restoration Sites

3:00 Wrap-up, evaluation depart