

2012 Summer Field Ecology Experience for Students

Program Syllabus

Monday, July 23 (*Meet at Pinelands Preservation Alliance daily*)

- 8:30 – 9:00am **Welcome and Introductions**
- 9:00 – 10:30am **Introduction to Field Ecology**
- 10:30 – 10:45am Break
- 10:45am – 12:15pm **Population Estimates and Dispersal Patterns of Meadow Plants**
- 12:15 – 1:00pm Lunch
- 1:00 – 2:30pm **Exploring Wildflower/ Pollinator Relationships**
- 2:30 – 2:45pm Break
- 2:45 – 4:00pm **Investigating Ecotones – Pitfall traps**

Tuesday, July 24

- 8:30 – 9:30am **Introduction to Pine Barrens Ecosystems**
- 10:00 - 3:00pm **Canoe Trip:**

Community Diversity in Uplands and Wetland Habitats in Wharton State Forest

Species Area Curves; Water Quality Studies
- 4:00 pm Arrive back at Adam's Canoe rental

Wed., July 25

- 8:00am *Meet at Pinelands Preservation Alliance*
- 8:30am – 10:00am **Bird Diversity in an Urban Park – Cooper River Park in Camden County**
- 10:00 - Noon Climate Change Bird Atlas
- Noon - 12:45 pm Lunch

1:00pm - 2:30pm **Visit to the Academy of Natural Sciences and Drexel University**

2:30 - 3:30pm Meeting with Scientists and Staff from the ANS and Drexel

3:30 pm Return to PPA

Thurs., July 26 *Meet at Pinelands Preservation Alliance*

8:00am Meet at PPA

8:30 – 9:30am **Visit to Rutgers Pine Barrens Field Station**

9:30 – 11:30am **Pine Barrens Research projects and US Forest Service Carbon Flux Experiments**

11:30am – 12:30pm Lunch

12:30 – 2:00pm **Forestry Study – The Ecological and Economic Values of Forests**

2:00 - 3:30pm **Canopy Cover and Soil Processes; Techniques in Forest Ecology and Tree Harvest**

3:30pm Return to PPA

Friday, July 27 *Meet at Pinelands Preservation Alliance*

8:00am Meet at PPA

8:00 – 9:30am Travel to North Brigantine Natural Area

9:30am – 3:30pm **Citizen Science and the Shorebird Project**
Invertebrate sampling in the Swash Zone
Shorebird population estimates and shorebird disturbance study

4:00pm **Wrap Up and Graduation at PPA**

**All times are approximate*

*** Sequence of Investigations may change due to weather or other factors*

**The 2012 Summer Field Ecology Experience for Students is presented by the
Pinelands Preservation Alliance**

