

# 27<sup>TH</sup> ANNUAL PINELANDS SHORT COURSE

**SATURDAY, MARCH 12, 2016**

**THIS YEAR:**

- **Past Favorites!**
- **New Topics & Courses!**
- **Family Friendly Programs!**
- **Pinelands & Environmental Vendors!**



**STOCKTON**  
UNIVERSITY  
NEW JERSEY'S DISTINCTIVE PUBLIC UNIVERSITY

Photo courtesy of Joel Mott.  
Taken at Lenape Farms tract of the  
Tuckahoe Wildlife Management Area, located  
along the Great Egg River in Estell Manor.

## QUESTIONS REGARDING REGISTRATION?

Please call 609.652.4227

## QUESTIONS REGARDING CONTENT OF THE SHORT COURSE PROGRAM?

Please call NJ Pinelands Commission at 609.894.7300, ext. 125

To register online: [stockton.edu/continuingstudies](http://stockton.edu/continuingstudies)

By mail send this form WITH PAYMENT to:

**Stockton University**  
**Attn: Continuing Studies**  
**101 Vera King Farris Drive**  
**Galloway, NJ 08205**



## Directions to Stockton University Galloway, New Jersey

### From the North

Travel south on the Garden State Parkway to Exit 44. Take Exit 44. At the stop sign at the end of the ramp, turn right onto S. Pomona Road (County Road 575). Travel 1/2 mile. At the entrance sign for Stockton University, turn left onto Vera King Farris Drive. For campus parking, continue 1/2 mile on Vera King Farris Drive, parking is available on the right.

### From the West

Travel east on the Atlantic City Expressway to Exit 12. Take Exit 12. At the stop sign at the end of the ramp, turn left onto Wrangleboro Road (County Road 575). Proceed straight through the traffic lights at Tilton Road (County Road 563) and White Horse Pike (Route 30). At the next traffic light, W. Jimmie Leeds Road, turn right. Travel 1 mile on W. Jimmie Leeds Road to the entrance sign for Stockton University on the left, turn left onto Vera King Farris Drive. For campus parking, continue about 1 1/2 miles on Vera King Farris Drive, parking is available on the left.

### From the South

Travel north on the Garden State Parkway and take Exit 41. At the light at the end of the Exit 41 ramp, turn left onto W. Jimmie Leeds Road. Travel 1 mile to the entrance sign for Stockton University, turn right onto Vera King Farris Drive. For campus parking, continue 1 1/2 miles; parking is available on the left.

CLIP & RETURN

CLIP & RETURN

# 2016 PINELANDS SHORT COURSE REGISTRATION FORM

**SATURDAY, MARCH 12 • STOCKTON UNIVERSITY**

Register ONE PERSON per form. Please copy the form for additional registrants. PLEASE PRINT CLEARLY AND COMPLETELY.

NAME \_\_\_\_\_ DATE OF BIRTH \_\_\_\_\_

STREET ADDRESS \_\_\_\_\_ CITY, STATE, ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ E-MAIL ADDRESS \_\_\_\_\_

Enclose check, money order, or purchase order payable to Stockton University

If you want to attend the same courses as someone, write their name below. We will do our best to accommodate your request.

\_\_\_\_\_

\_\_\_\_\_

## IMPORTANT INFORMATION

**CONFIRMATIONS WILL BE SENT BY EMAIL ONLY**  
**LIST YOUR THREE TOP CHOICES FOR EACH PERIOD**

If you do not indicate second and third choices, they will be selected for you.

Workshops will be assigned on a first-come, first-served basis.

**Cancellation policy: NO REFUNDS**

Bring your own lunch or purchase Pinelands inspired food at our food court.

Dunkin Donuts will be open in the morning.

**REGISTRATION: CHECK ONE**  
 Adult \$40  
-or-  
 Senior (65+) Student \$35

**REGISTER ONLINE:**  
[stockton.edu/continuingstudies](http://stockton.edu/continuingstudies)  
Coupon code PNL2016  
For Seniors (65+) & Students

## FINAL REGISTRATION DEADLINE! Friday, March 4 at 4:00 P.M.

	9:00 a.m. to 10:15 a.m.	10:30 a.m. to 11:45 a.m.	1:00 p.m. to 2:15 p.m.	2:30 p.m. to 3:45 p.m.
FIRST CHOICE				
SECOND CHOICE				
THIRD CHOICE				

FOR OFFICE USE ONLY: Date Received \_\_\_\_\_ Date Processed \_\_\_\_\_

## OVERVIEW/ECOSYSTEM

### PINELANDS WEATHER AND CLIMATE: PAST, PRESENT AND FUTURE

**Dr. David A. Robinson, Professor & NJ State Climatologist**  
What drives the weather and climate of the Pinelands region? How have conditions changed in the past, what is going on today, and what might the future hold? These issues will be discussed and questions of participants addressed as all seek a better understanding of the Pinelands environment.

### IS ANYONE LISTENING? WHY PEOPLE MAY NOT HEAR YOU WHEN YOU TALK ABOUT CLIMATE CHANGE.

**Sarah Watson, Graduate Student, Bloustein School for Planning and Public Policy, Rutgers University**  
People worried about climate change often wonder why others don't listen to scientists. This course will discuss the personality traits we all have that affects how we recognize climate change risks, why many of us are talking about climate change incorrectly, and some ways for how we may be able to communicate about this important topic, so others can better hear us.

### LURE OF THE PINE BARRENS

**Ted Gordon, Pine Barrens botanist, historian, guide & photographer**  
This presentation will take attendees on a pictorial journey through the New Jersey Pine Barrens in its seasonal aspects. The presenter will focus on the unusual as well as common flora and fauna of diverse habitats, from quaking bogs and cedar swamps to pygmy pines. Further emphasis on the people, traditions, historic sites, and "lost" and "forgotten" towns provides a balanced overview of this enigmatic region.

### NEW! SOIL HEALTH IMPROVEMENT PROJECT & JERSEYARDS.ORG

**Christine Raabe, District Director, Ocean County Soil Conservation District and Karen Walzer, Education Coordinator Barnegat Bay Partnership.**  
Through a partnership, the Ocean County Soil Conservation District implemented a series of research plots incorporating soil amendments and treatments, and an educational program utilizing a "typical" suburban park. Information will be provided for the New Jersey-Friendly Yards web site.

### STREAM WATER QUALITY AND AQUATIC COMMUNITIES

**Robert A. Zampella, Ph.D.**  
This presentation will review the natural and human-related factors that determine Pinelands stream-water chemistry, the chemical characteristics of "pristine" and degraded waters, and the effect that water quality has on aquatic communities, including those composed of fish, frog, invertebrate, aquatic-plant, and diatom species.

### NEW! PINELANDS 101: AN OVERVIEW OF THE PINELANDS

**Joel M. Mott IV, Public Programs Specialist, Pinelands Commission**  
This lively presentation will feature sights and sounds of the Pinelands, while taking the audience on a virtual walk into the woods. The talk will focus on the importance of water to the area while highlighting cultural, historic, and natural resources. Mott currently leads the Pinelands Commission's educational efforts to raise awareness, appreciation, and further stewardship of the Pinelands.

### EXPLORING THE MULLICA RIVER

**Michael Hogan**  
Participants will take a photographic trip down the 50-mile Mullica River, from its headwaters near Berlin, through Wharton State Forest, to Great Bay. Participants will learn about the river's history and ecology, as well locations to canoe, hike, bird and photograph.

### NEW! WHARTON STATE FOREST – LAND OF SAND, FIRE & WATER

**Gilbert Mika**  
This presentation will feature a multimedia presentation that will take participants on a tour of the basic elements that serve as the foundation of Pinelands ecology in Wharton State Forest.

## WILDLIFE

### RAPTORS OF NEW JERSEY

**Denise Peters, Education Director, and Erin Kiefer, Naturalist, Woodford Cedar Run Wildlife Refuge**  
This engaging presentation will introduce you to the many kinds of raptors that are regularly found in NJ. We will highlight the keys to identify each species while delving into the natural history of raptors. Live raptors will be present to view up close.

### NEW! MONITORING OSPREYS, NJ'S UNOFFICIAL BIRD OF SUMMER

**Ben Wurst, Habitat Program Manager, Conserve Wildlife Foundation of NJ**  
Ospreys are common residents along the New Jersey shore during the summer. Learn about their life history and amazing comeback from only 50 nesting pairs in 1973 to over 500 today. Wurst will share his experience from working to manage this amazing species during the past decade.

### NEW! DON'T LOOK NOW – HERE COMES THE SPRING MIGRATION!

**Susan Puder, President, Southern Ocean Birding Group**  
The Spring migration is an exciting time for birders, as many of our shorebirds, warblers, and waterfowl get ready for their breeding season and are heading north. Many of these birds fly from South and Central America to the northern parts of North America and the Arctic to have their young. Learn about one of the great migrations of the world right here in New Jersey.

### NEW! BIRDING IN ATLANTIC COUNTY

**Michael Hogan**  
Learn techniques for capturing prize-winning wildlife photographs. This presentation will cover different cameras, lenses, settings and tips for attracting wildlife to your lens. Hogan will describe his favorite locations in Atlantic County, when to visit them and show a presentation of his favorite wildlife photography, with an emphasis on birds of the Pine Barrens.

### NEW! THE WILD TURKEY & ITS REINTRODUCTION

**Lou Gambale, National Wild Turkey Foundation**  
This presentation will discuss the wild turkey's anatomy, desired habitat, predation and history. Also highlighted is the successful conservation story of the bird's reintroduction in NJ, which was facilitated by the NJDEP's Division of Natural Resources, the National Wild Turkey Foundation and many volunteers.

### NEW! BEAUTIFUL BUTTERFLIES AND CRAZY CATERPILLARS

**Jennifer Bulava, Park Naturalist**  
Discover the world of some of our most beloved insects: the butterflies. This presentation will focus on behaviors, defenses, life cycles, and natural history of butterflies and caterpillars in the Pinelands. Bulava will discuss the difference between butterflies and moths, along with photographic examples of moths that occur during the day.

### NEW! THE SILENT MAJORITY – MOTHS OF NEW JERSEY

**Blaine Rothausser**  
With 110,000 species of moths worldwide (+/- 2,000 in the Garden State) one can be kept pretty entertained during sleepless nights attracting, keying, and trying to get a peek into their secret lives. Rothausser will discuss moth biology and share images that were taken in a multitude of varied landscapes in New Jersey, including the Franklin Parker Preserve.

### NEW! SILVICULTURE AND SUSTAINABLE FOREST MANAGEMENT

**Bernard Isaacson, Forester, NJDEP, State Forestry Services**  
Participants will receive an introduction to the biology of how forests grow, how foresters measure trees, what techniques are available for management, and how these can be applied to the forest ecosystems of the Pinelands. Isaacson will examine the impacts of past practices on the landscape and explore options for shaping our future forests in the context of today's necessities.

## THE PYGMY FOREST

**Terry O'Leary, Naturalist**  
O'Leary will take participants on a virtual field trip to unique Pygmy Forest, which encompasses 12,000 acres in the heart of the Pine Barrens. He will also discuss the effects of climate, geology, soils, and frequent fires on the plants and wildlife in those dwarf woodlands.

## PINELANDS LICHENS

**Natalie Howe, Ph.D. student, Graduate Program in Ecology and Evolution, Rutgers University**  
Howe will showcase some of the lichen communities that occur on bark, on soils, and on manmade structures in the Pinelands. She will also cover some general topics in lichen biology and ecology, and will provide advice for collecting and identifying lichens.

## PINELANDS FROGS AND TOADS

**John Bunnell, Chief Scientist, New Jersey Pinelands Commission**  
Bunnell will cover the distribution, reproduction, habitat preferences, and vocalizations for the frog and toad species found in the largest stream system in the Pinelands: the Mullica River Basin.

## SEA CREATURES WITH AMAZING FEATURES

**Kaitlin Gannon, The Wetlands Institute, Outreach Coordinator**  
Participants will use all of their senses and their imagination to discover the wet world of water animals. Gannon will provide a fun and interactive explanation of local sea animals that will be on display and will be available for participants to touch. This includes sea stars, sea urchins, hermit crabs, spider crabs, green crabs, clams, sea snails and a horseshoe crab.

## HISTORY/CULTURAL

### NEW! THE CENTENNIAL OF THE HIGHBUSH BLUEBERRY - FROM A WILD CROP TO A MODERN AGRICULTURAL COMMODITY

**Mark Ehlenfeldt, USDA-ARS and Richard Prickett, Environmental Educator (retired)**  
A grand overview of the roles of Elizabeth White and Frederick Coville in the development of the blueberry industry in New Jersey and a review of where the industry is today.

### NEW! STATION 119: FROM LIFESAVING TO MARINE RESEARCH

**Kenneth W. Able**  
Dr. Able will discuss his book "Station 119," which highlights the history of the former Coast Guard Station 119 located near Little Egg Inlet and its current use as a marine research facility for Rutgers University.

## GHOST TOWNS OF THE NJ PINE BARRENS

**Barbara Solem, author**  
Some say the New Jersey Pine Barrens contain more ghost towns than the entire American west. Solem will share information about these unique places and towns that rose up around the iron furnaces, glass factories, paper mills, cranberry farms and brick making establishments of the 18th, 19th, and early 20th centuries, with a special focus on Atsion Village.

## NEW! THE SUBURBANIZATION OF THE JERSEY DEVIL

**Bill Sprouse, journalist and author of *The Domestic Life of the Jersey Devil***  
Sprouse will provide a critical history of the Jersey Devil story, with an emphasis on its meaning among the residents of South Jersey. This talk is informed by the author's personal experience (his grandmother was a Leeds from Leeds Point). Sprouse will also discuss the Kallikak family and the rise of monster-hunter reality TV.

## NEW! THE SOLDIERS AND THE SEDUCTRESS WHO HELPED FACILITATE WASHINGTON'S CHRISTMAS VICTORY AT TRENTON IN 1776

**Rev. Norman Goos**  
Goos will discuss the NJ Militia's role in the war-changing Battles of Trenton and Princeton. The Somers' Gloucester County 3rd Militia Battalion (Eastern Battalion) helped set up the subterfuge that drew away the British and Hessian support troops from counterattacking Washington on Dec. 26, 1776, and were an integral part of Washington's second attack in Trenton and then Princeton a week later. They had some unexpected help from a very sly, charming young woman as well.

**THE PINELANDS JETPORT AND OTHER PINELANDS DREAMS**

Timothy G. Hart, Esquire Ocean County Historian

The proposal to build the Pinelands Jetport can be seen as the prime motivation to preserve what is arguably the most important ecological resource between Boston and Richmond. Through the rediscovery of the original report, this program will revisit the actual proposal through illustrations and diagrams.

**NEW! EXPLORING IDENTITY AND THE AMBIGUOUS NATURE OF PLACE THROUGH FILMMAKING: THE MAKING OF THE PINE BARRENS**

David S. Kessler, Filmmaker

*The Pine Barrens* is an evolving project that attempts to portray an ambiguous sense of place from an outsider's perspective. Through a series of vignettes spanning several years, teetering on the edge of real and imagined, the project paints portraits of the forest, its people, and the roles played in each other's identities. Kessler will present scenes from the documentary, currently in production, and discuss his motivation, process and goals for the film.

**NEW! A PHOTOGRAPHIC EXPLORATION OF THE PINELANDS**

Ernest B. Cozens III, Photographer

Ernie bought his first camera, a WWII Argus C3, with his paper route money, and, ever since, he's been capturing moments in time. Photographing the beauty of the Pinelands allows him to showcase another side of New Jersey. Cozens will also discuss the camera techniques and digital darkroom techniques that he employs to create his beautiful images.

**MUSIC**

**THOMAS WESLEY STERN**

Thomas Wesley Stern, Members: Gary Mayer, Joseph Makowiecki, James Black, James Herdman, and Robert Jackson.

"Taking a cue from traditional American folk music, but never sticking strictly to it, the members of Thomas Wesley Stern weave original songs around classic melodies and instruments. Violin and standup bass compliment the banjo and guitar, while the boys harmonize in a rustic hum. Playing original and traditional American music, Thomas Wesley Stern harkens back to a simpler time we assume was better, but insists the best is yet to come." - Country Living Magazine

**NEW! OLD TIME MUSIC AND DULCIMER PERFORMANCE**

Greater Pinelands Dulcimer Society

Members of the Society will play several old time tunes while sharing the songs' origins. They will be playing mountain and hammered dulcimers and will discuss the history of both instruments.

**FIELD TRIPS/OUTSIDE PROGRAMS**

**NEW! ECOLOGICAL FOREST MANAGEMENT IN THE PINELANDS: THE STOCKTON FOREST MANAGEMENT PLAN**


George Zimmermann, Professor Environmental Studies Program, Stockton University

Stockton University obtained approval for a 10-year comprehensive forest management plan for 1,500 forested acres of its campus. Participants will first see a PowerPoint lecture that will give an overview of the plan, and then will tour some of the first silvicultural treatments and ecological experiments started on the Stockton University campus forests. Be prepared for a walk!














**BIRDING THE PINELANDS OF STOCKTON UNIVERSITY**

John D. Rokita Principle Lab Tech. Animal Lab & Collection Room Facilities, Stockton University

Rokita will provide an in-depth look into the avian species that inhabit the university campus. Participants will spend a portion of class time examining taxidermy live mounts and study skins from the universities ornithology collection. The remainder of the class will be spent outdoors identifying as many bird species as possible. Please bring a sense of curiosity, proper attire (warm clothing), sturdy comfortable shoes, (possibly rain gear), binoculars and a field guide if you have them.

 = Family Friendly Courses

**REGISTRATION STARTS AT 7:45 A.M.**

9:00 - 10:15	10:30 - 11:45	11:45 - 12:45 • Lunch • Music by Thomas Wesley Stern	1:00 - 2:15	2:30 - 3:45
Pinelands Weather and Climate	Pinelands Weather and Climate		The Pine Barrens (Film)	The Pine Barrens (Film)
 Raptors of New Jersey	 Raptors of New Jersey		 Sea Creatures	 Sea Creatures
Soldiers and the Seductress	Soldiers and the Seductress		Jersey Devil	Jersey Devil
Birding the Pinelands				
 Monitoring Ospreys	 Monitoring Ospreys		 Spring Migration	 Spring Migration
Lure of the Pine Barrens	 Butterflies & Caterpillars		Lure of the Pines Barrens	 Butterflies & Caterpillars
The Pygmy Forest			Is Anyone Listening	A Photographic Exploration
Silviculture	Silviculture		Soil Health Improvement	
 Pinelands Frogs and Toads	 Moths of New Jersey		Jetport and Pineland Dreams	Jetport and Pineland Dreams
Pinelands Lichens	Wild Turkeys		Ghost Towns	Ghost Towns
Ecological Forest Management				
Stream Water Quality	Blueberry Centennial		Wharton State Forest	Wharton State Forest
Birding in Atlantic County	Station 119		Exploring the Mullica River	 Pinelands 101
		Music & Dulcimer Performance	Thomas Wesley Stern	

**HOW TO REGISTER ONLINE:**

Visit [stockton.edu/continuingstudies](http://stockton.edu/continuingstudies) and click on **27th Annual Pinelands Short Course**.

Click the **register button** and follow the steps below:

1. In the Search box choose Continuing Ed Jul'15-Jun'16 from the drop down box.
2. Leave the second box empty, click on the magnifying glass.
3. Hover the cursor over the course of your choice and click on the plus sign that will appear.  
**\*\*\*You MUST choose 27th Annual Pinelands Short Course first\*\*\***
4. After making all of your selections, click on the register button found on the lower right hand side of the screen.
5. Create a new account or sign in with your Stockton "Z" number and pin number.
6. Add coupon code PNLD2016, if applicable, on the lower left-hand side of the screen.
7. Click Proceed to Payment on the lower right-hand side of the screen.
8. Click Proceed to Payment on the lower right-hand side, again.
9. Click Submit payment on the lower right-hand side.
10. Follow prompts to make payment by credit card or check.

**\*If you have already registered within the Stockton community for any Stockton event, start by entering your "Z" number and pin on the right side of the screen. Then follow the steps above, omitting step 5 which will not be an option.**