28TH ANNUAL PINELANDS SHORT COURSE

SATURDAY, MARCH 11, 2017
Hosted by Stockton University

A day long event featuring educational presentations that explore the unique history, ecology, and culture of the Pinelands.

5 Professional Development Credits Available for Educators
QUESTIONS REGARDING REGISTRATION?
Call 609.652.4227

QUESTIONS REGARDING CONTENT?
Call NJ Pinelands Commission at 609.894.7300, ext. 125

To register online:
stockton.edu/cs

To register by mail:
SEND THIS FORM WITH PAYMENT TO:
Stockton University | Continuing Studies
101 Vera King Farris Drive
Galloway, NJ 08205

IMPORTANT INFORMATION

YOUR ITINERARY WILL BE EMAILED TO THE ADDRESS PROVIDED
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.

FINAL REGISTRATION DEADLINE
March 3, 2017

REGISTRATION STARTS AT 7:45 A.M.

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<td>9:00 - 10:15</td>
<td>The Coyote in New Jersey</td>
<td>Jeremiah Leeds</td>
<td>Ecosystem Services</td>
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<td>10:30 - 11:45</td>
<td>Raptors and Reptiles</td>
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<td>Threatened &amp; Endangered Snakes</td>
<td>Lenape and the Jersey Shore</td>
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<td>1:00 - 2:15</td>
<td>The Jersey Devil</td>
<td>Jeremiah Leeds</td>
<td>Wilderness Survival Skills</td>
<td>Plants and Pollinators</td>
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<td>2:30 - 3:45</td>
<td>Plants and Pollinators</td>
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<td>Lenape and the Jersey Shore</td>
<td>Sights and Sounds</td>
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<td>11:45 - 12:45</td>
<td>Lure of the Pine Barrens</td>
<td>Pine Barrens Time Machine</td>
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<td>Pinelands Forest</td>
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<td>Pinelands Frogs and Toads</td>
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<td>Batsto Beyond The Years</td>
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<td>How Healthy Are Our Streams?</td>
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<td>A Pine Barrens Newcomer</td>
<td>Here's Double Trouble!</td>
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<td>Pine Barrens Byway</td>
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<td>A Trip Down the Maurice River</td>
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<td>Mullica River Tour</td>
<td>Trends in Biodiversity</td>
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<td>Mullica River Tour</td>
<td>Ecological Forest Management</td>
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If you want to attend the same courses as someone, write their name(s) below. We will do our best to accommodate your request.

REGISTRATION FEE: CHECK ONE
- Adult $40
- Senior (65+) $35
- Student $35
NEW! A PINE BARRENS NEWCOMER
Andrew Anderson, State Park Service
This virtual field trip is a visual introduction to the Pinelands, touching on the region’s unique ecology, culture, history and folklore as seen by someone who grew up just outside the Pinelands National Reserve. Through slides and anecdotes, you will visit some of the most popular ghost towns and other unusual sites of South Jersey.

NEW! THE COYOTE IN NEW JERSEY
Andrew Burnett, Principal Biologist, NJ Division of Fish & Wildlife
Take a pictorial journey through the New Jersey Pine Barrens in its seasonal aspects. Gordon 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 is placed on the people, traditions, historic sites, and “lost” and “forgotten” towns provides a balanced overview of this enigmatic region.

NEW! RAPTORS AND REPTILES OF PINES SAMPLER
Denise Peters, Director of Education, and Erin Kiefer, Senior Educator at Woodford Cedar Run Wildlife Refuge
Learn more about some of the feathered and scaly creatures that call the Pinelands home, while seeing several up-close and personal.

NEW! THREATENED & ENDANGERED SNakes OF THE NEW JERSEY PINE BARRENS
Matthew P. McCort, Herpetologist/Wildlife Ecologist
Discuss the life history and conservation of northern pine snakes, corn snakes, and timber rattlesnakes in the New Jersey Pine Barrens. Several species of live snakes will be featured and handled.

NEW! 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.

NEW! GROWTH AND REPRODUCTION OF EASTERN FENCE LIZARDS: METABOLISM, MIGHT MATTERS
Henry John-Alder, Ph.D. Professor and Department Chair, Dept. of Ecology, Evolution, and Natural Resources, Rutgers University
John-Alder will highlight the natural history of eastern fence lizards in the New Jersey Pinelands, focusing on growth, reproduction, and interactions between lizards and chigger mites.

NEW! MACROINVERTEBRATES AS WATER QUALITY INDICATORS
Dr. Daniel Duran, Associate Teaching Professor at Drexel University
Simply put: all life on earth depends on water for us – it’s all about the pollinators. Discover the amazing animals. Flowers are not pretty colors and pleasant smells for us – it’s all about the pollinators. Discover the amazing strategies of Pinelands plants, the colors that pollinators see, and ways in which both plants and animals interact with each other. Take a much closer look at flowers and open up an entire hidden world that is more complex and fascinating than one ever imagined.

NEW! LURE OF THE PINELANDS
Joel M. Mott, Public Program Specialist, NJ Pinelands Commission
This lively presentation includes sights and sounds while taking the audience on an insightful virtual “walk” in the woods while familiarizing them with the Pinelands. The talk will focus on the importance of water to the area while highlighting the cultural, historical, and natural resources. The goal of this program is to raise awareness, appreciation and further stewardship of the Pinelands by revealing this unique but fragile treasure.

NEW! THE SILENT MAJORITY – MOTHS OF NEW JERSEY
Dorothy Smullen, Member of the New Jersey Wildflower Flora
Smullen will introduce attendees to the Fungi Kingdom, then delve into the mycological communities that are important to the pine and oak forests of the Pinelands. She will also spotlight common fungi found at the Franklin Parker Preserve located near Chatsworth NJ.

NEW! HONEY BEE RESCUE
Gary G. Schemp, Owner of Busy Bee NJ LLC
Schemp, who is a licensed professional apiculturist, will discuss the process to remove and relocate honey bees.

NEW! NEW! PINELANDS FOREST MEASUREMENTS AND MANAGEMENT
Bernard Isaacson, Forester, NJDEP, State Forestry Services
The rivers of the Pinelands look the way they do because of their geologic history and land use history. This history starts with the break-up of Pangaea and the creation of the Atlantic Ocean approximately 150 million years ago. Next the development of the coastal plain, over and through which these rivers flow, provides the next chapter. Its natural landscape followed a pattern typical of other rivers on other coastal plains. European settlers, from the 17th century on, altered the landscape in different ways in different parts of these rivers. It is only in recent decades that Pine Barrens streams have been recognized for reasons other than commerce.

NEW! STREAMING THE RIVERS AND CREEKS IN THE BARNEGAT BAY WATERSHED
Terry O’Leary, Resource Interpretive Specialist
Take a virtual field trip to explore the principal streams that flow into Barnegat Bay. Learn about the natural and cultural resources of each stream from its headwaters to its confluence with the bay. GPS waypoint locations and descriptions of access points, scenic vistas, and human impacts will be included. The Southern streams from Tuckerton Creek to Forked River and Stout’s Creek will be covered in the first session, followed by the Northern streams in the second session from Cedar Creek to Metedeconk River.

NEW! JERSEY SOIL – NURTURING THE FOUNDATION OF YOUR NATIVE PLANT GARDEN
Becky Labey, Education Outreach Specialist, Ocean County Soil Conservation District
Soil is at the root of all life on earth, including your garden! Understand the science behind your soil can improve your gardening skills and provide you with the knowledge to select appropriate plants for your native New Jersey garden.

NEW! A TRIP DOWN THE MAURICE RIVER
Michael Hogan
Take a photographic trip down the 50 mile Maurice River from its headwaters in Washington Township, through Gloucester and Cumberland counties, to the Delaware Bay. Learn about the river’s history, ecology, parks and locations to canoe, hike, bird and photograph.

NEW! YOUR NATIVE PLANT GARDEN
Matthew P. McCort, Herpetologist/Wildlife Ecologist
AmeriCorps New Jersey Watershed Ambassadors Program
Learn how freshwater quality is assessed using macroinvertebrates such as dragonflies, stoneflies, leeches and snails. The ambassadors will also provide details into how that information is used to address pollution and quality issues within water bodies.

NEW! LERAPE AND THE JERSEY SHORE
Diana Burich, K-12 Program Coordinator, New Jersey Sea Grant Consortium
Prior to European explorers settling in North America, native peoples lived in what is now New Jersey. Eastern Pennsyanvia, Southeastern New York State, Northern Delaware and a small part of Connecticut. The settlers called this tribe the Delaware Indians, and some references still refer to the Lenape by that name. Delve into the history of these Native Americans and how they utilized NJ’s coastal environment in everyday life. Learn about the separate roles of men and women, how they fished and collected other foods, and how children developed necessary skills through play that would help them as adults in their communities. All authentic artifacts and activities make this program one that you wouldn’t want to miss!
THE JERSEY DEVIL AND THE ORIGINS OF NEW JERSEY
Brian Regal
The Jersey Devil is more than just the legend of a dragon wandering the Pine Barrens: it is part of the very fabric of the origins of New Jersey and America itself. This talk will cover the real story of the Garden State's favorite monster and its birth in the milieu of the bare-knuckled political and religious drama of colonial New Jersey.

NEW! THE TYPICAL “PINEY” OF THE LATE 1700’S AND EARLY 1800’S: 1ST LT. JEREMIAH LEEDS
Rev. Norman Goos
Rev. Goos will tell the life story of a key figure from a colonial era in the Pine Barrens. The 130-mile Pine Barrens Byway extends through the Pine Barrens and social evolution.

NEW! A TOUR OF THE PINE BARRENS BYWAY
Michael Hogan
Learn about the U.S. Department of Transportation’s Scenic Byway program, New Jersey Scenic Byways and the Pine Barrens Byway. The 130-mile Pine Barrens Byway extends from Batsto and Tuckerton in the north to Dennisville and Port Elizabeth in the south, passing through five counties and 16 municipalities. Along the route are two National Wildlife Refuges, 10 State Wildlife Management Areas, three State Forests, five County parks, several major rivers and numerous smaller streams, as well as a variety of historic and scenic sites.

BATSTO BEYOND THE YEARS
Wes Hughes, Batsto Citizens Committee
Batsto Village’s rich history dates back to 1766. What began as an industrial site important to the American Revolution became a gentleman’s farm for a prosperous and innovative Quaker from Philadelphia and was the start of Wharton State Forest. Much has been written about Batsto over the years. Come and learn a few things that you may not have known about this important part of Southern New Jersey and American history.

GHOST TOWNS OF THE NJ PINE BARRENS
Barbara Solem, Author
Some say the Pine Barrens contain more ghost towns than the American west. The Pinelands of today is a very different place than the busy industrial center it was several hundred years ago. Solem will discuss the 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.

NEW! PINE BARRENS TIME MACHINE
John Volpa, Director of Education for Pinelands Adventures
Life is about change. History is the story of those changes. Join a New Jersey journey back in time as we examine local history’s meaning and relevance to our present lives. Topics examined will include geologic time, people and industries of the Pine Barrens and social evolution.

NEW! HERE’S DOUBLE TROUBLE!
Andrew Anderson, State Park Service
When muskrats twice damaged the mill pond dam, Thomas Potter named this small sawmill hamlet Double Trouble. A second industry emerged with the planting of cranberry vines. Through dramatic pictures, a rarely seen film and first-hand accounts, you will revisit the heyday of this remarkable Pine Barrens village, now a state historic site.

STATION 119: FROM LIFESAVING TO MARINE RESEARCH
Kenneth W. Aile
Dr. Aile will discuss his book “Station 119,” which highlights the history the former Coast Guard Station 119 located near Little Egg Inlet and its current use as a marine research facility for Rutgers University.

FIELD TRIPS/OUTSIDE PROGRAMS
NEW! TRENDS IN BIODIVERSITY IN THE NJ PINE BARRENS
Jamie Cromartie, Associate Professor of Entomology, Stockton University
Examine the nature of biodiversity hotspots, the particular features of the Coastal Plain that have produced its diverse flora and fauna and the historic and current changes that affect it. The course includes a field walk to examine some efforts to manage diversity on the Stockton campus.

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, then will tour some of the first silvicultural treatments and ecological experiments started on the Stockton University campus forests. Be prepared for a walk!

NEW! BUS TOUR: ECOLOGY OF THE MULLICA RIVER WATERSHED
Ryan Rebezo, Ph.D. Director of Conservation Science for the Pinelands Preservation Alliance
This two hour and thirty-minute bus tour will take you off campus and focus on the ecology of the Mullica River Watershed, while making stops at various habitat types throughout the watershed. Participants will be bused to each location and are encouraged to dress appropriately to be outdoors and do light walking at each stop.

BIRDING THE PINELANDS OF STOCKTON UNIVERSITY
John D. Rokita Principle Lab Technician 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.

MUSIC
OLD TIME MUSIC AND DULCIMER PERFORMANCE
Greater Pinelands Dulcimer Society
Members of the Society will play several old time tunes while sharing the origins of the songs. They will play mountain and hammered dulcimers and will discuss the history of both instruments.

TUNES & TALES
Valerie Vaughn, New Jersey’s Troubadour
A multi-talented musician and educator from Tuckerton, NJ, Vaughn specializes in writing acoustic tunes that cover the rich folklore and the history of the people and places of South Jersey.

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 ½ mile. At the entrance sign for Stockton University, turn left onto Vera King Farris Drive. For campus parking, continue ½ 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 ½ 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 ½ miles; parking is available on the left.

HOW TO REGISTER ONLINE:
Visit stockton.edu/cs and click on 28th Annual Pinelands Short Course.
Click the register button and follow the steps below:
1. In the Search box choose Continuing Ed Jul’16-Jun’17 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.
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 PINELANDS, 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.

5. Create a new account or sign in with your Stockton “Z” number and pin number.

4. After making all of your selections, click on the register button found on the lower right hand side of the screen.

3. Hover the cursor over the course of your choice and click on the plus sign that will appear.

***You MUST choose 28th Annual Pinelands Short Course first***

2. Leave the second box empty, click on the magnifying glass.

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