26TH ANNUAL PINELANDS SHORT COURSE

SATURDAY, MARCH 14, 2015

THIS YEAR:
• 20 NEW Courses!
• Family Friendly Courses!
• Discover Stockton’s Lake Fred!

Deep Run in Wharton State Forest courtesy of Joel M. Mott
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
By mail send this form WITH PAYMENT to:
The Richard Stockton College of New Jersey
Attn: Continuing Studies
101 Vera King Farris Drive
Galloway, NJ 08205

Directions to Stockton College
Galloway, New Jersey
From the North (northern New Jersey and New York, north of Parkway Exit 44)
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 College, 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 (Camden/Philadelphia Area, west of Expressway Exit 12)
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 Wangleboro 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 College 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 (southern New Jersey, south of Parkway Exit 44)
Travel north on the Garden State Parkway to the Atlantic City Service Plaza. Exit to the left into the service plaza. Travel on the outer road of the service plaza. At the third stop sign, turn left. Just ahead, make the first right, continue to the traffic light at the end of the ramp. At the traffic light, turn left onto W. Jimmie Leeds Road. Travel 1 mile to the entrance sign for Stockton College, turn right onto Vera King Farris Drive. For campus parking, continue 1½ miles; parking is available on the left.

2015 PINELANDS SHORT COURSE REGISTRATION FORM
SATURDAY, MARCH 14 • THE RICHARD STOCKTON COLLEGE OF NEW JERSEY
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 _________________________________

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.
We will email your course confirmation by March 6 by email only.
Cancellation policy: NO REFUNDS
Bring your own lunch or our food court.
Dunkin Donuts will be open in the morning.

FINAL REGISTRATION DEADLINE! Monday, March 2 at 4:00 P.M.

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FOR OFFICE USE ONLY: Date Received ___________________________ Date Processed ____________________
A PHOTOGRAPHIC JOURNEY INTO THE PINELANDS NATIONAL RESERVE

Dr. Brian Regal, History of Science, Technology & Medicine, Rutgers University

This presentation will take attendees on a pictorial journey through the New Jersey Pine Barrens, examining its seasonal aspects. The presenter will focus on the unusual as well as common flora and fauna of diverse habitats, from quiet bogs and marshes to pine swamps and piny woods. Further emphasis on the people, traditions, and history that make this region unique. This presentation provides a balanced overview of this enigmatic region.

WILDLIFE

NEW JERSEY’S BIODIVERSITY: NORTH VS. SOUTH

Blaine Rothouser

Why is the fourth smallest state in the nation ranked at the top in species diversity? Rothouser, a photographer and environmental consultant, will emphasize the importance of New Jersey’s rich natural heritage through a fascinating array of wildlife imagery in NJ’s remote natural areas. One session will focus on North Jersey and one session will focus on South Jersey.

FROM TIDAL FRESHWATERS TO THE OCEAN: FISHES OF THE MULlica RIVER – GREAT BAY ESTUARY

Ken W. Alle, Rutgers, Institute of Marine and Coastal Sciences

The kind and number of fishes vary along the gradient of salinity from the freshwaters in the Mullica to salty waters in Great Bay. This visual survey will characterize the resident and migratory fishes from larvae to juveniles and adults, the habitats they use along this gradient, and how they change through the seasons. The presentation is based on over 25 years of intensive studies by Rutgers University marine field Station scientists.

“A Know the Bear Facts”/BLACK BEARS IN NEW JERSEY

Michelle Smith, Biologist, NJDEP Division of Fish and Wildlife

This presentation will describe common plant species associated with different wetland types and their occurrence along hydrologic gradients represented by variations in ground- and surface-water levels.

USE GIS TO IDENTIFY THE PATTERNS OF LAND USE CHANGE IN THE PINELANDS DURING THE PAST TWO DECADES

Dr. Weilong Fan, Professor of Environmental Science, Richard Stockton College

New Jersey land resources have been managed, or mismanaged in some cases, as a result of urban sprawl, especially near the Pinelands area. In this workshop, we will identify the location, direction, and trend of the land use changes; quantify the changes; and evaluate the changes in the context of New Jersey Smart-Growth strategies using GIS technology. We will focus on the loss of forested areas and wetlands from 1995 to 2007 and their conversions using the Barnegat Bay Watershed as an example.

LANDUSE PLANNING FOR BARNEGAT BAY

Dr. Sarah Hailes, Director, Barnegat Bay Partnership

The majority of Pinelands watersheds drain into the Barnegat Bay, but portions of these river drainage basins lie outside the Pinelands National Reserve. Changes in land use within the Barnegat Bay watershed have altered the bay’s water quality and ecosystem. This presentation will examine the impacts of development on the Barnegat Bay and how coastal land use planning is the key to protecting its water quality and natural resources.

A TRIP DOWN THE GREAT EGG HARBOR RIVER

Michael Hogan

Take a photographic trip down the 50-mile Great Egg Harbor River, from its headwaters in Berlin, to the Great Egg Harbor Confluence. Learn about the Great Egg’s history, ecology, access and locations to canoe, hike, bird and photograph.

FROM THE LENS: LEARNING TO APPRECIATE THE PINELANDS THROUGH PHOTOGRAPHY

Ann-Marie Woods

Ride along with Ann-Marie as she takes you on her trek through the Pinelands, making photography the first resource in defining her interests and wonders in the unique and amazing Pinelands natural world.

WASTE MANAGEMENT/RECYCLING IN THE PINELANDS

Rick Dowey President, Atlantic County Utilities Authority

A look at the history of waste disposal and its management through the years in the Pinelands. The program will focus on the problems of solid waste disposal in the Pinelands region, given its unique environmental attributes. In addition, the presentation will outline what has changed since the passing of the NJ Solid Waste Management Act and the Pinelands Comprehensive Plan in the 1980s. An overview of dumps, ground water pollution, and today’s County solid waste and recycling systems operating in the Pinelands.

INVESTIGATING THE PYGMY FOREST

Terry O’Leary, Resource Interpretive Specialist

Take a virtual field trip to the heart of the Pine Barrens to explore the characteristic plants and animals of this unique area. Learn about the forest types comprising the Pygmy forests and the fire ecology of the West Plains, East Plains, Little Plains, and Spring Hill Plains.

PINELANDS LICHEN ECOLOGY

Natalie Now, Graduate Student, Rutgers University Ecology and Evolution Program

This presentation will provide a brief overview of the common lichens in the Pinelands. How do we describe their research on how soil lichen mats influence the soils beneath them, and she will discuss the impacts of lichen on soil chemistry, decomposition rates, and the arthropod communities living inside the lichen.

ATLANTIC WHITE-CEDAR: YESTERDAY, TODAY, AND TOMORROW

George Zimmermann, Professor Environmental Studies Program, Richard Stockton College of New Jersey

Atlantic white-cedar is a globally-threatened species that has been of central importance to the landscape and ecology of the Pinelands. This presentation will explore the current research on the ecology and interaction of the species, while also delving into efforts to restore white-cedars in light of mounting factors that are causing more losses than gains in acreage not only in New Jersey but along its natural range from Maine to Florida and along the Gulf.

CHILDREN OF THE EARTH FOUNDATION: WILDERNESS SURVIVAL FUNDAMENTALS

Andrew Hoy, Program Manager, Children of the Earth Foundation

There are few pieces of knowledge more empowering, satisfying, and potentially important than the ancestral skills of how to stay alive in the woods. This information is just as applicable in the Pine Barrens, where its renaissance began, as it is across the world. Join us for a look at basic survival skills, known by some as “the sacred order,” including shelter construction, water collection and purification, friction fire, and food finding.

HISTORY/CULTURAL

BATSTO THROUGH THE YEARS

Barbara Solom and Wesley Hughes, Batsto Citizens Committee, Inc.

Batsto Village has a long history that dates back to pre-Revolutionary times when iron was king. The Village is the site of a former bog iron- and glass-making industry. It was later purchased by Philadelphia industrialist Joseph Wharton, and it comprises the core of the Wharton State Forest. Step back in time and discover the many stories that wind through this historic site.

THE BATTLE OF CHESTNUT NECK

Rev. Norm Goos - President, & Earl Cain – Secretary & Historian, Col. Richard Somers Chapter – S.A.R.

This presentation will describe the only Revolutionary War battle that occurred in Atlantic County. On October 6, 1778, more than 1,600 British troops attacked and burned the village of Chestnut Neck. As a major privateering center, millions of dollars of captured British ships and supplies traveled through this tiny port on the way to be auctioned.

ESTELL MANOR PARK

Michael Hogan

Participants in this presentation will learn about the history and ecology of the 1,700-acre Atlantic County Park. This includes the history of the glassworks in the 1800’s and the large Bellocvillo munitions plant built during World War II to the current Atlantic County Park. The park is also home to an extensive network of trails, historic ruins, the parks large diversity of plants and animals and places for birding, and photography.

THE JERSEY DEVIL AND THE ORIGINS OF NEW JERSEY

Dr. Brian Regal, History of Science, Technology & Medicine, Department of History, Kean University

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 miles of the bare-knuckled political and religious drama of colonial New Jersey.

LOST TOWNS OF THE PINES

Ted Gordon, Pine Barrens Botanist, historian, Guide, & Photographer

The diverse landscape of the Pine Barrens reflect a history of traditions, historic sites, and “lost” and “forgotten” towns & Photographer Ted Gordon, Pine Barrens Botanist, Historian, Guide, & Photographer through the New Jersey Pine Barrens in its seasonal aspects. The program will focus on local species diversity, behaviors, life cycles, and the

Kaitlin Gannon, The Wetlands Institute, Stone Harbor, NJ,

behavior tests. These methods come together to help us describe what we’ve previously never been able to observe.

SEA CREATURES WITH AMAZING FEATURES

Kathleen Gannon, The Wetlands Institute, Outreach Coordinator

Participants will use all of their senses and their imagination to discover the wet world of water animals. Following a fun and interactive explanation of the local sea animals we bring, participants will get hands-on time with them. We will bring sea stars, sea urchins, hermit crabs, spider crabs, green crabs, clams, sea snails and a horseshoe crab.

RAPTORS OF NEW JERSEY

Denise Peters, Education Director, and Erin Kiefer, Naturalist, Woodford Cedar Wildlife Refuge

Participants in this presentation will learn about local species diversity, behaviors, life cycles, and-tell items like “bear dens” for children to climb into and “hibernate.”

PINELANDS FROGS AND TOADS

John Teets, Chickist, New Jersey Pinelands Commission

This presentation 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.

THE NEONATE ECOLOGY OF THE NORTHERN PINE SNAKE

Dr. Kevin P.W. Smith

The northern pine snake is a state-threatened species in New Jersey. They are a cryptic species, difficult to find due to their camouflage as well as their tendency to spend time underground. We will discuss some of the research techniques used to investigate the little-known life stage of the northern pine snake, including radio telemetry and chemosensory behavior tests. These methods come together to help us describe what we’ve previously never been able to observe.

THE DIVERSE LANDSCAPE OF THE PINELANDS REFLECT A HISTORY OF TRADITIONS, HISTORIC SITES, AND “LOST” AND “FORGOTTEN” TOWNS & PHOTOGRAPHER TED GORDON, PINE BARRENS BOTANIST, HISTORIAN, GUIDE, & PHOTOGRAPHER THROUGH THE NEW JERSEY PINELANDS IN ITS SEASONAL ASPECTS. THE PROGRAM WILL FOCUS ON LOCAL SPECIES DIVERSITY, BEHAVIORS, LIFE CYCLES, AND-TELL ITEMS LIKE “BEAR DEN”S FOR CHILDREN TO CLIMB INTO AND “HIBERNATE.”
villages are indelibly etched into the landscape. We will “visit” such enchanting sites as Double Trouble, Calico, Estellville, Friendship, Eagle, Hampton Furnace, Sheep Pen Hill, Wells Mills, Makepeace, Florence at Whitesbog, Sims Place, Builtontown, and Tub Mill.

**STILL DAYS: A BIOGRAPHICAL PRESENTATION ON DR. JAMES STILL (NEW)**
Paul W. Schupp
Dr. James Still, often referred to as Black Jim or the Black Doctor of the Pines, yearmed to be a physician from the age of 5, but as a man of color, he knew he would never succeed at becoming a doctor through traditional training. He taught himself medicinal botany and developed ointments, salves, and other treatments using botanicals.

**PINELANDS JETPORT REVISITED (NEW)**
Timothy G. Hart, Division Director, Ocean County Cultural and Heritage Commission
The proposal to construct the Pinelands Jetport can be seen as the prime motivation to preserve what is arguably the most important ecological resource between Boston and Richmond. Everyone attempting to preserve our Pinelands, from McPhee to the National Geographic articles, talks about the Jetport. But few have actually read the proposal or seen the diagrams. Through the rediscovery of the original report, the program will revisit the actual proposal through illustrations and diagrams.

**LENAPE LIVING IN THE PINES (NEW)**
Ginette Day, Burlington County College’s Pinelands Institute for Natural & Environmental Studies, Instructor
Consider our past and present connections to the earth during this presentation on the native Lenape people and the Pin Barrens resources they would have used for survival during the late woodland period. An interactive program where you will grind dried corn into flour, try your hand at traditional games, prepare a headache remedy from pine needles and poultice from Cranberries.

**MUSIC**
**THOMAS WESLEY STERN (NEW)**
Thomas Wesley Stern, Members: Gary Mayer, Joseph Makoviecki, James Black, James Herdman, and Robert Jackson
“Thomas Wesley Stern is a band from the Pine Barrens of New Jersey, a densely wooded forest of winding sandroads and rich cedar streams. 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

**TUNES & TALES**
Valerie Vaughn
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.

**FIELD TRIP**
**BIRDING THE PINELANDS OF RICHARD STOCKTON COLLEGE (NEW)**
An in-depth look into the avian species that inhabit the college and 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) and binoculars and a camera.

**Lure of the Pine Barrens**
**Photographic Journey**
**Raptors of NJ**
“Know the Bears”
**The Jersey Devil and the Origins of New Jersey**
**Investigating the Pygmy Forest**
**Frogs & Toads**
**North Jersey Bio Diversity**
**Wilderness Survival Fundamentals**
**Waste Management/Recycling in the Pinelands**
**Estell Manor Park**
**Batsto Through the Years**
**Landes Change through GIS**
**Lichen Ecology**
**Fishes of the Mullica River/Great Bay Estuary**
**Still Days**
**Lenape Living**
**Lenape Living**

**Birding at Stockton - Lab Tour/ Lake Fred Hike - max of 15 people**

**HOW TO REGISTER ONLINE:**
Visit stockton.edu/continuingstudies and click on 26th Annual Pinelands Short Course. Click the register button and follow the steps below:
1. In the Search box choose Continuing Ed Jul’14-Jun’15 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 26th 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 PNLD26, 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.*

= Family Friendly Courses