

2ND ANNUAL PINELANDS SUMMER SHORT COURSE

**REGISTER
NOW!**
LIMITED SEATING

**CHOOSE YOUR ADVENTURE:
HIKE, WALK, EXPLORE, ENGAGE, TOUR**

- FULL AND HALF DAY FIELD TRIPS
- CLASSROOM LEARNING EXPERIENCES

**THURSDAY, JULY 19, 2018
HAMMONTON, NEW JERSEY**

Educators can earn 5 professional development credits.



**STOCKTON
UNIVERSITY**

New Jersey's Distinctive Public University | Stockton is an Equal Opportunity Institution

stockton.edu/continuingstudies

Photo courtesy of Joel Mott.

**QUESTIONS REGARDING
REGISTRATION?**

Call the Office of Continuing Studies
609.652.4227

**QUESTIONS REGARDING
CONTENT?**

Call NJ Pinelands Commission
609.894.7300, ext. 125

To register online:
stockton.edu/pinelands

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

**YOUR ITINERARY WILL BE
EMAILED TO THE ADDRESS PROVIDED**
Workshops will be assigned on a first-come,
first-served basis.

**FINAL REGISTRATION DEADLINE
July 16, 2018
SPACE IS LIMITED**

Cancellation Policy: NO REFUNDS
This is a rain or shine event.

REGISTRATION & CONTINENTAL BREAKFAST STARTS AT 8 A.M.			
CLASSROOM SESSIONS			
9:00 - 10:15 a.m.	10:30 - 11:45 a.m.	1:00 - 2:15 p.m.	2:15 - 3:00 p.m.
Battle of Chestnut Neck	Battle of Chestnut Neck	Moonlighting with Moths	Music by Denizen Pine in the lobby
Pinelands 101	Fire and Biodiversity	Fire and Biodiversity	
Dragonflies and Damselflies	Reservation at Brotherton	History of NJ's Wine Industry	
HALF-DAY FIELD TRIPS			
9:00 - 11:45 a.m.		1:00 - 3:00 p.m.	
Macroinvertebrates and Water Quality		Dragonflies and Damselflies Walk	
Hammonton Lake Trail Hike		Hammonton Lake Trail Hike	
		Atlantic Blueberry Tour	
ALL-DAY FIELD TRIPS			
9:00 - 3:00 p.m.			
Journey Between Two Rivers			
Industries in the Pines			
Heart of the Barrens Tour			

For questions about accessibility or to request an accommodation, please contact the Office of Event Services and Campus Center Operations at 609.652.4878 or event.services@stockton.edu at least 5 business days in advance of your participation or visit.

CLIP & RETURN **CLIP & RETURN**

2ND ANNUAL PINELANDS SUMMER SHORT COURSE REGISTRATION FORM
THURSDAY, JULY 19 • KRAMER HALL | HAMMONTON, NEW JERSEY
Register ONE PERSON per form, copy the form for additional registrants.

NAME _____ DATE OF BIRTH _____

STREET ADDRESS _____ CITY, STATE, ZIP _____

PHONE _____ E-MAIL ADDRESS _____

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

	9:00 to 10:15 a.m.	10:30 to 11:45 a.m.	1:00 to 2:15 p.m.	2:15 to 3:00 p.m.
1ST CHOICE				
2ND CHOICE				
3RD CHOICE				

REGISTRATION FEE:
\$60
Includes Continental Breakfast

ALL DAY FIELD TRIPS

JOURNEY BETWEEN TWO RIVERS

Guided by John Volpa, Director of Education, Pinelands Adventures

This is a four-mile hike between the Mullica River and Batsto River. You will explore the uplands and river edges in search of native plants and animals while learning about the unique features of the Pine Barrens. **Bring your own picnic lunch! This full-day trip will depart and return from Kramer Hall in Hammonton. Remember to Leave No Trace, so pack in, pack out! Please be advised that this is a wilderness experience. There are no restrooms available while on this trip.**

INDUSTRIES IN THE PINES

Lead by Jeff Larson, Guide, Pinelands Adventures

This van tour will be led by Jeff Larson, who has been exploring the Pine Barrens for three decades. Larson will take you on an immersive trip to learn about Piney culture and history. Attendees will also visit the ruins of places like Hampton Furnace, as well as cranberry bogs of the past and much more. **Participants will travel by bus and make several stops to explore on foot. Bring your own picnic lunch! This full-day trip will depart and return to Kramer Hall in Hammonton.**

HEART OF THE BARRENS TOUR

Guided by Ryan Rebozo, Ph.D. Director of Conservation Science for the Pinelands Preservation Alliance

This guided van tour will take you on a journey through the core of the Pinelands Preservation Area. Participants will learn about the area's fire ecology and the various ways plants have evolved to respond to fire disturbance. Attendees will visit the pygmy pine plains, an area of the Pinelands with a historically high frequency of fires. The van will travel to the Webbs Mill Bog, a wetland savanna where attendees will have the opportunity to see and experience some of the rarest Pinelands orchids and carnivorous plants in bloom. The trip back to Kramer Hall will take attendees directly through the heart of the Pinelands. **Participants are asked to bring their own lunch and dress appropriately for this all-day tour. There will be no or very limited access to bathroom facilities during this trip.**

HALF DAY FIELD TRIPS

DRAGONFLIES & DAMSELFLIES OF THE PINELANDS (WALK)

Jennifer Bulava, Lead Naturalist, Burlington County Parks

Attendees will learn about the diversity and behavior of dragonflies and damselflies in the Pinelands while walking around Batsto Lake. **For this field trip, participants will drive their own vehicle from Kramer Hall to Batsto. Directions will be provided for the 10-mile drive. Participants should leave Kramer Hall by 12:45 to arrive at Batsto for the 1:00 p.m. start time.**

MACROINVERTEBRATES AND WATER QUALITY

Michael Hogan, Naturalist and Photographer

Attendees will learn about aquatic creatures such as stoneflies, caddisflies and other water bugs that live in our streams and lakes. Macroinvertebrates are excellent indicators of water quality, so they are used to determine stream health all over the world. Attendees will participate in a biological survey using the NJ Department of Environmental Protection's protocols for identifying and documenting these bugs and come away with an understanding of what their presence means for the waters in which they are found. **For this field trip, participants will drive their own vehicle from Kramer Hall to Batsto. Directions will be provided for the 10-mile drive. Participants should leave Kramer Hall by 9:00 to arrive at Batsto for**

the 9:15 a.m. start time.

HAMMONTON LAKE TRAIL HIKE

German Georgieff, Chief Naturalist, Wells Mill County Park

Georgieff will guide attendees on an approximately two-mile, flat and easy walk through a mostly oak-pine upland area and a white cedar swamp wetland area near Hammonton Lake. Attendees will learn about plant identification, fire ecology and human usage of local natural resources. **Transportation will be provided to and from the lake.**

ATLANTIC BLUEBERRY COMPANY'S HAMMONTON OPERATIONS TOUR

Join the Atlantic Blueberry Company on a tour of its Weymouth Road processing and packing plant. Attendees will get the full farm experience by boarding a labor bus and heading out to the fields, where they will see and sample some of the different varieties of blueberries that are being grown and harvested. Attendees should be prepared to spend time in the fields and dress accordingly. **Attendees will drive on their own vehicle to the Atlantic Blueberry Company's processing and packing plant located at 7201 Weymouth Road, Hammonton, NJ 08037. (6.8 miles) Directions will be provided for the 10-minute drive. Once attendees arrive at the plant, they will be directed to the parking area. Participants should leave Kramer Hall by 12:45 p.m. so that they can arrive at the facility by 1:00 p.m. for the start of the tour.**

CLASSROOM SESSIONS

BATTLE OF CHESTNUT NECK

Norman Goos, Local Historian

Local historian Norman Goos will delve into the only Revolutionary War battle to be waged in Atlantic County. On October 6, 1778, more than 1,600 British troops attacked and burned the village of Chestnut Neck, a major privateering center where millions of dollars in British supplies and ships were brought by local privateers on their way to auction or the Continental Army.

PINELANDS 101: SIGHTS AND SOUNDS OF THE PINELANDS

Joel Mott, Principal Public Programs Specialist NJ Pinelands Commission

This lively presentation will take attendees on an insightful virtual walk in the woods, punctuated by the sights and sounds of the Pinelands. Mott will focus on the importance of water to the area while highlighting the region's cultural, historic, 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.

REMOVED FROM THEIR NATURAL WAYS: THE FIRST INDIAN RESERVATION AT BROTHERTON, BURLINGTON COUNTY

Tony McNichol, Cultural Resource Planner, NJ Pinelands Commission

McNichol will discuss the 1758 establishment (and subsequent dissolution) of the Brotherton Reservation in a socio-historical context, with reference to the egregious Walking Purchase and the Treaty of Easton. The approximately 3,000 acre Brotherton Tract was situated in an area known to the local tribes as 'Edgepillock'. The land was acquired for the Delaware by the New Jersey colonial government and Commissioners for Indian Affairs with the promise that the Delaware ceded the rights to the majority of their lands in New

Jersey south of the Raritan River. The site of the original reservation is located in the present day Pinelands village of Indian Mills in Shamong Township, Burlington County.

MOONLIGHTING WITH MOTHS

Ann-Marie Woods

The Pinelands Area is a haven for many species of moths. During this presentation, wildlife photographer Ann-Marie Woods will display photos of common species, with a special emphasis on the guild of Pine Barrens moths. She will also discuss simple camera settings to achieve good macro photos that can be used to identify moths. Attendees will build a moth screen, make moth bait and look at lighting, while learning about basic moth anatomy and common terms.

FIRE AND BIODIVERSITY

Stephen C. Mason, Jr., Graduate Research Associate, Entomology Department, Academy of Natural Sciences of Drexel University

Temperatures are increasing throughout the world, resulting in more intense and frequent wildfires. Since insects are the most biodiverse organism in the world, and humans literally could not survive without them, they make the most ideal group to study after a fire. Attendees will learn about the different perspectives and varying types of fire. Does seasonality of fire matter? What about prescribed fires versus wildfires? Are they good, bad or both? Attendees will learn about what insects have to tell us and the roles they play in trying to provide answers to local and global questions.

HISTORY OF NEW JERSEY'S WINE INDUSTRY

Tom Cosentino, Executive Director Garden State Wine Growers Association

Cosentino will explore how the state of New Jersey has been a vibrant place for making wine since Colonial Days. Attendees will learn about the early founders of the industry, such as Louis Renault's settling in Egg Harbor and establishment of Renault Winery. They will also learn how prohibition affected the industry. Cosentino will discuss the Farm Winery Act of 1981 and its importance in opening the door to new wineries and the 2012 passage of the Direct Shipping bill that allowed for the direct shipment of wine to consumer homes. Lastly, participants will learn about the current status of the state's wine industry and future plans for its growth.

DRAGONFLIES & DAMSELFLIES OF THE PINELANDS

Jennifer Bulava, Lead Naturalist, Burlington County Parks

Bulava will deliver a fascinating presentation focusing on the local species of dragonflies and damselflies, as well as the diversity, behaviors, life cycles, and the ecological significance of these beneficial insects. This course will be delivered inside Kramer Hall.

DENIZEN PINE – LOCAL INSTRUMENTAL MUSIC TRIO PERFORMS ORIGINAL WORKS

Denizen Pine, an instrumental music trio with roots in the Pinelands, will perform original and interpreted works. Several pieces have themes directly taken from or inspired by the history, ecology, or folklore of the region. The group is neither a period piece nor an island and certainly acknowledges broader suburban, urban, and world influences, all perceived, however, through a local, Pine-centric lens.

TO BE PREPARED FOR THE ALL-DAY FIELD TRIPS AND ½ DAY OUTDOOR PROGRAMS

WHAT TO WEAR:

- Comfortable hiking or walking shoes
- Wear layers: base/wicking layer, insulating layer(s), outer wind/rain proof layer.

WHAT TO BRING:

- Drinking water (a minimum one liter per person), depending on weather conditions.
- Lunch (if needed) and a snack
- Extra clothing and/or rain gear (depending upon weather conditions)
- Any needed medication (Example: inhaler, EpiPen, etc.)
- Sun protection (hat, sunscreen, lip balm)
- Sunglasses
- Insect repellent
- Binoculars, if wanted

WHAT NOT TO BRING:

- **NO ALCOHOL PERMITTED**, no exceptions and no flip-flops



HOW TO REGISTER ONLINE:

Visit stockton.edu/pinelands.

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

1. In the Search box choose Continuing Ed Jul'18-Jun'19 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 the Pinelands Summer 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. Click Proceed to Payment on the lower right-hand side of the screen.
7. Click Proceed to Payment on the lower right-hand side, again.
8. Click Submit payment on the lower right-hand side.
9. 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.**