



21ST ANNUAL PINELANDS SHORT COURSE

Saturday, March 20, 2010

Sponsored by: The New Jersey Pinelands Commission and Burlington County College's Pinelands Institute for Natural and Environmental Studies (PINES)



**NEW
THIS YEAR!**

**ALL DAY HISTORY BUS TRIP • PEMBERTON RAILROAD AND MUSEUM FIELD TRIP
ORIENTEERING FIELD TRIPS • WHITESBOG VILLAGE: THE PIONEERING ERA**
PINELANDS ART EXHIBITORS: PHOTOGRAPHY: ANN-MARIE WOODS, MIKE HOGAN
DECOYS: BARBARA AND RAY NYMAN & MORE!

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Burlington County College
Office of Community Enrichment
601 Pemberton Browns Mills Road
Pemberton, NJ 08068-1599



2010 PINELANDS SHORT COURSE

TOPICS and PRESENTERS

WILDLIFE

NEW! BATS OF NEW JERSEY

Rick Dutko, Biologist

The Pinelands provide huge expanses of habitat for most of the nine species of bats known to live in NJ. You will learn bat biology, be able to identify which species occur in the state, hear about the continuing challenges bats face in our densely-populated regions in the Pinelands. **CFG 545 01**

NEW! GOT BATS? WANT BATS? TIPS FOR HOMEOWNERS

Rick Dutko

Are you the type of person who would vacate your home when an unwanted visitor suddenly appears in your bedroom one night? Or perhaps you wouldn't mind a few more mouths to feed around your home (if those mouths could feed exclusively on your pesky backyard mosquitoes and gnats)? Love them or hate them, you'll learn some tips on how to deal with the "house" bats of the Pinelands. **CFG 568 01**

NEW! NEW JERSEY'S BIODIVERSITY

Blaine Rothauer,

Principal, BR Environmental, LLC

Why is the fourth smallest state in the nation ranked at the top in species diversity? Rothauer, a wildlife and landscape photographer and 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. **CFG 561 01 and CFG 561 02**

BIRDS OF THE PINELANDS:

A SURPRISING ORNITHOLOGY

Clay Sutton, Writer,

Naturalist and Biologist

The birds of the Pinelands are an interesting mix of those from the north and the south. During spring and fall, the Pinelands provides a valuable stopover habitat for millions of neotropical migrating birds. The program is based in part on the author's 20-plus years of study in the Pinelands. **CFG 526 01 and CFG 526 02**

VULTURES

Kimberly Gurlavich,
Wildlife Specialist, USDA
Jenny Mastantuono,
Wildlife Biologist, USDA

This presentation will focus on turkey and black vulture identification, biology, range, and legal status. Potential nuisance, property, and agricultural damages will be discussed along with effective management methods for reducing these problems. **CFG 529 01 and CFG 529 02**

PINELANDS FROGS AND TOADS

John Bunnell, C **CLOSED**

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. **CFG 423 01**

PINELANDS FISH

John Bunnell

Streams and impoundments in the Pinelands support a unique assemblage of native fish species. This presentation will focus on the distribution, habitat preferences, and reproduction of these native species and also of non-native fishes in the region. **CFG 418 01**

GARDEN FOR WILDLIFE

IN THE PINELANDS

Pat Sutton, Writer, Educator
and Naturalist

Explore wildlife gardening with a backyard naturalist. Learn how to attract birds,

butterflies and other wildlife to your property through the use of native plants and wildlife-friendly practices. **CFG 552 01**

GARDEN FOR BUTTERFLIES AND HUMMINGBIRDS

Pat Sutton

Create a butterfly and hummingbird-friendly yard. Learn about the butterfly life cycle and the plants butterflies need for food during their caterpillar stage, as well as how and where butterflies and hummingbirds winter. **CFG 556 01**

NEW! BUTTERFLIES AND MOTHS

Jennifer Bulava, C **CLOSED**

Burlington County Parks
Learn to identify the variety of butterflies and some distinctive moth species in the Pinelands. **CFG 546 01**

NEW! RACE FOR THE BORDER:

MONARCH BUTTERFLIES

Dan and Luanne Weekes

Every year, the monarch butterfly completes a migration of over 2,000 miles, passing through our area in the fall on their way to Mexico, where they congregate by the millions. This presentation will detail its life cycle, spectacular journey, current threats, ways to help the migration of this species and the head start program in our region. **CFG 562 01 and CFG 562 02**

NEW! PINE BARRENS POLLINATORS

Toni Price, Master Gardener

Explore the unique needs of pollinators in the Pine Barrens. Identify different types of bees and pollinators, and learn how they are critical for plant survival. Price will discuss seasonal plant selection for creating healthy pollinator habitats. **CFG 560 01 and CFG 560 02**

PLANT LIFE

NEW! SECRETS OF PINELAND PLANTS

Millicent Moore

This program will detail relationships and reproductive strategies of Pinelands plants, as well as their historical and contemporary uses for medicine and other purposes. **CFG 549 01 and CFG 549 02**

NEW! A TALE OF TWO CEDARS

Terry O'Leary, Education Coordinator,
New Jersey Forest Service

Did you ever wonder about the similarities and differences between Eastern Red Cedar and Atlantic White Cedar? Explore the habitats, identifying characteristics, growth habits, traditional and current uses and wildlife benefits of these two native trees found in the Pinelands. **CFG 557 01**

FUNGI IN FORESTS:

MORE THAN MEETS THE EYE

John Dighton, Ph.D., Rutgers
University Pinelands Field Station

Fungi are an often overlooked, but important component of ecosystems. This is especially true in the Pinelands, where only a few species are seen to fruit and only at specific times of the year. The program offers an introduction to the wide variety of fungi in forest ecosystems and their role in the processes of decomposition of plant remains and assisting plant growth, and their role as bioindicators of changes in the environment. **CFG 519 01 and CFG 519 02**

NEW! FIRE AND DISTURBANCE:

FERTILE GROUND

Dennis Gray, Ph.D., Rutgers
University Pinelands Field Station

This presentation will detail how fire and disturbance affect upland soil fertility in the Pinelands, as found by researchers at the Rutgers Pinelands Field Station. **CFG 559 01 and CFG 559 02**

LAND USE / RECREATION

NEW! IMPACTS OF A CHANGING

NEW JERSEY LANDSCAPE

Jacques Cousteau National Estuarine Research Reserve (JC NERR)
Scott Haag and Melanie Reding

Alterations in New Jersey's landscape

have profound impacts on natural habitats. This session will highlight current technologies being used (such as GIS and Remote Sensing) and the results obtained from recent research on the impact of land use changes in the Mullica River and Barnegat Bay estuary systems. **CFG 563 01 and CFG 563 02**

NEW! A PHOTOGRAPHIC JOURNEY THROUGH THE PINELANDS

Jennifer Bulava, Naturalist,
Burlington County Division of Parks

This presentation will take participants on a photographic journey of preserved natural spaces of the Pinelands in Atlantic, Burlington, Cape May, Cumberland and Ocean counties. **CFG 555 01**

NEW! BIRDING, BOTANY AND CANOEING IN CAMDEN AND GLOUCESTER COUNTY

Michael Hogan

This presentation will focus on the Upper Maurice and Great Egg Harbor rivers and their tributaries, the famous Blue Hole and NJDEP wildlife management areas of Camden and Gloucester counties. **CFG 470 01**

STREAM ASSESSMENT

Michael Hogan, C **CLOSED**

Learn how to visually assess the health of a stream by using the US Department of Agriculture's "Stream Visual Assessment Protocol." The first part of the session will be held in the classroom, and the second part will enable participants to assess a portion of the Rancocas Creek on BCC property. **Important note:** Download SVAP Manual and assessment form at: <http://www.sjandwater.org/programs-stream-assessment-program.html> **CFG 532 01**

HISTORY/CULTURE

NEW! DE LUXE: THE TALE

OF THE BLUE COMET

Robert A. Emmons Jr., Filmmaker

Climb aboard for a new documentary that charts the history of the Central Railroad of New Jersey's most famous train: The Blue Comet. Participants will view the film, and join Emmons, the writer, director and executive producer, who will discuss his journey in creating it. **CFG 569 01**

NEW! BROTHERTON AND SHAMONG

George D. Flemming, Author

Brotherton, located in the Pinelands, was the first and only reservation for Native Americans in New Jersey. Discuss their experiences with missionaries and their decision to move to New York State, which opened the door for establishing Shamong as a prosperous community. **CFG 551 01 and CFG 551 02**

NEW! VOICES IN THE PINES

Karen F. Riley, Author, C **CLOSED**

This presentation will share well-known stories of people in the Pinelands and their struggles and triumphs in protecting their way of life. From true life tales of murder and mayhem to inspiring accounts of local residents, this presentation will detail the stories and lives of these incredible people. **CFG 548 01 and CFG 548 02**

PINEY LIFESTYLES

Brenda Conner,
Cranberry Connection, LLC

Ever wonder what a "Piney" really is? This question and more will be answered as experiences are shared from growing up with old-time Pineys. Learn about the relationship these folks have with the Pine Barrens and the personality they have given to the region and why the Piney culture is now disappearing. **CFG 508 01 and CFG 508 02**

NEW! CRANBERRY CULTURE

Brenda Conner

Learn about their unique characteristics and year-round growing cycle. A discussion of cranberry history and their contributions to the Pinelands will provide a better understanding of the "business of farming." Learn about the health benefits of cranberries. **CFG 544 01**

DOUBLE TROUBLE STATE PARK: FROM CEDAR SWAMPS TO CRAN-

BERRY BOGS AND BACK AGAIN

Andrew Anderson, NJ Division

of Parks & Forestry
Double Trouble has a long and storied history that dates back to the Colonial era when prized Atlantic White Cedar was milled for shipbuilding, siding, shipping crates, boxes, and roofing for buildings. A new industry emerged during the Civil War when cranberry bogs were first planted and harvested. Through slides and stories, witness this evolution and learn why the village has such a unique name. **CFG 514 01 and CFG 514 02**

LOST AND FORGOTTEN TOWNS OF THE PINE BARRENS

Ted Gordon, Pine Barrens Historian,
Botanist & Photographer

Explore the enchanting sites of the Pine Barrens such as Double Trouble, Calico, Estellville, Friendship, Eagle, Hampton Furnace, Sheep Pen Hill, Wells Mills, Makepeace, Florence at Whitesbog, Sim Place, Bull Town, and Tub Mill through a slide presentation. **CFG 510 01 and CFG 510 02**

LENAPE LIVING

William Guthrie, Ph.D.

Everyday living in the days before the "European invasion" will be the focus of Guthrie's presentation. Food gathering/preparation, shelter, clothing, games, and stories will be brought to life through artifacts/materials and demonstrations. **CFG 554 01 and CFG 554 02**

NEW! PRIMITIVE SURVIVAL

IN THE PINES

Simon Harrison, Program Director,
Children of the Earth Foundation

This lively presentation will be based on notable author and tracker Tom Brown Jr. Participants will learn about nature awareness and how to survive in the Pines, including the basics of shelter, water, food, and fire. This will include a hands-on demonstration of how to make fire. **CFG 547 01 and CFG 547 02**

FOR EDUCATORS

NEW! THE WINDING ROAD: FROM

BARNEGAT BAY TO THE PINELANDS

Apolonia (Pola) Galie,
Lighthouse Center for

Natural Resource Education

Connect the dots of history, tradition and music. Learn about the Lighthouse Center for Natural Resource Education (formerly the Lighthouse Vacation Center for the Blind) and its place in the Pinelands' past and future. **CFG 558 01 and CFG 558 02**

NEW! JERSEY JUNIORS

Gail Hunt & Roni Strain, Authors

Jersey Juniors is a new program that local authors Gail Hunt and Roni Strain created for young learners. The newly-published books introduce the Pinelands to children from Pre-K to grade 3. Participants will learn how to use this program to present basic Pinelands information to children on a level they can understand. **CFG 553 01 and CFG 553 02**

BUS TOURS/FIELD TRIPS

ALL DAY TOUR OF THE PINELANDS

Emile DeVito, Ph. **CLOSED**

Conservation Foundation
Dr. DeVito will guide an all-day tour on a school bus, focusing on Pinelands ecology while stopping at some favorite places in the Pine Barrens. Stops may include cedar swamps, the Franklin Parker Preserve, Pine Plains and more. The bus leaves around 9 a.m. and will return to BCC by 3:30 p.m. **CFG 505 01**

NEW! PINELANDS HISTORY TOUR

Joe Laufer, C **CLOSED**

Burlington County Historian
Traverse portions of the Pinelands on a school bus with a Burlington County Historian. Enjoy historical commentary through-

2010 PINELANDS SHORT COURSE

7:30 am-8:15 am **REGISTRATION**

8:45 am-9:45 am	10:00 am-11:00 am	11:15 am-12:15 pm	1:15 pm-2:15 pm	2:30 pm-3:30 pm	
Frogs and CLOSED CFG 423 01	Valerie Vaughn CFG 490 01	Fish CFG 518 01	Blue Comet CFG 569 01		
PROFESSIONAL CREDITS ARE AVAILABLE TO NEW JERSEY TEACHERS	Music by Piney Hollow Drifters CFG 536 01	Music by Ong's Hat String Band CFG 564 01	Music by Ong's Hat String Band CFG 564 02	Music by Bad Dogz CFG 565 01	
	Voices in CLOSED CFG 548 01	Bats CFG 545 01	Voices in CLOSED CFG 548 02	Got Bats? CFG 568 01	
Birds CFG 526 01	Garden for Butterflies and Hummingbirds CFG 556 01	Birds CFG 526 02	Garden for Wildlife CFG 552 01		
Primitive Survival CFG 547 01	Lost and Forgotten Towns CFG 510 01	Primitive Survival CFG 547 02	Lost and Forgotten Towns CFG 510 02	Valerie Vaughn CFG 490 02	
Butterflies CLOSED CFG 546 01	Double Trouble CFG 514 01	A Photographic Journey CFG 555 01	Double Trouble CFG 514 02	Register early and \$ave	
Discounts for senior citizens	Secrets of Plants CFG 549 01	Lenape Living CFG 554 01	Secrets of Plants CFG 549 02	Lenape Living CFG 554 02	
Jersey Juniors CFG 553 01	Changing NJ Landscape CFG 563 01	Courses fill quickly... sign up now	Changing NJ Landscape CFG 563 02	Jersey Juniors CFG 553 02	
New Jersey Biodiversity CFG 561 01	Vultures CFG 529 01	New Jersey Biodiversity CFG 561 02	Vultures CFG 529 02	Programs for everyone	
Piney Lifestyles CFG 508 01	Brotherton and Shamong CFG 551 01	Cranberry Culture CFG 544 01	Brotherton and Shamong CFG 551 02	Piney Lifestyles CFG 508 02	
Pine Barrens Pollinators CFG 560 01	Standard & vegetarian lunches avail.	Barnegat Bay to Pinelands CFG 558 01	Pine Barrens Pollinators CFG 560 02	Barnegat Bay to Pinelands CFG 558 02	
Two Cedars CFG 557 01	Fungi in Forests CFG 519 01	Soil and Fire CFG 559 01	Fungi in Forests CFG 519 02	Soil and Fire CFG 559 02	
Race for the Border CFG 562 01	Stream Assessment CFG 532 01		Bird and Canoeing CLOSED CFG 470 01	Race for the Border CFG 562 02	
All Day Bus Trip Around the Pinelands (Must bring your own lunch) CFG 505 01			CLOSED		
All Day History Bus Trip in the Pinelands (Must bring your own lunch) CFG 540 01			CLOSED		
Pemberton Railroad Station Field Trip CFG 543 01			THANK YOU for ATTENDING!		
ACTIVITIES at WHITESBOG VILLAGE (Directions will be provided)					
Whitesbog: Ag Center CFG 541 01	Elizabeth White CFG 567 01	Whitesbog Village Tour CFG 435 01	LUNCH	Whitesbog: Ag Center CFG 541 02	Whitesbog Village Tour CFG 435 02
Orienteering/Treasure Hunt in the Village CFG 542 01				Orienteering in the Woods CFG 566 01	

12:15 pm-1:05 pm **LUNCH** in cafeteria or around campus with music

major milestones in her life; cranberry farm operations, blueberry cultivation, and her studies of native plants of the Pines Barrens. Learn how her business sense transformed the blueberry industry. **CFG 567 01**

WHITESBOG TOUR (FIELD TRIP)

John Joyce, Whitesbog Preservation Trust

Tour this historic company town and learn about the cranberry and blueberry farming on this land. Walk through Elizabeth White's house, worker's cottages, the barrel storage building and more. Shop in the general store. **CFG 435 01 and CFG 435 02**

NEW! ORIENTEERING/TREASURE HUNT (FIELD TRIP)

Bob Burg, Orienteering Unlimited, Inc.

Orienteering is a map navigating adventure that can be applied creatively to virtually any objective, age group or setting. Explore Whitesbog Village using orienteering techniques to uncover hidden historic and natural treasures. Wear clothes suitable for weather conditions.

Important note: Transportation to the field trip locations is not provided, however, driving directions will be supplied. Be prepared and wear clothes/shoes suitable for the weather conditions and walking/hiking outside. **CFG 542 01**

NEW! ORIENTEERING IN THE WOODS AT BRENDAN T. BYRNE STATE FOREST (FIELD TRIP)

Bob Burg

Orienteering serves as a great way to develop many lifetime skills while enjoying the natural beauty of the Pinelands. Choose to walk or run a beginner or intermediate course.

Important note: Transportation to the field trip locations is not provided, however, driving directions will be supplied. Be prepared and wear clothes/shoes suitable for the weather conditions and walking/hiking outside. **CFG 566 01**

NEW! NORTH PEMBERTON RAILROAD STATION MUSEUM AND RAIL TRAIL (FIELD TRIP)

Pemberton Twp. Historic Trust

Visit the museum and learn about the station's history and many artifacts on display. You will also have the opportunity to walk on the beautiful 2.5 mile rail trail and journey back to a simpler time.

Important note: Transportation to the field trip locations is not provided, however, driving directions will be supplied. **CFG 543 01**

MUSICAL

NEW! BAD DOGZ

The band is comprised of seasoned players mixing in Celtic themes with Bluegrass. A powerful earthy voice and incredible bass help deliver a unique sound. Bluegrass music is fun to play and listen to and the Dogz keep it that way. **CFG 565 01**

NEW! ONG'S HAT STRING BAND

Out of the old time tradition of dance music infused with spontaneity, wit and unexpected musical turns. Steeped in American Traditional Music with side trips to Jazz, Classical and Rock, the members of the band put a new face on traditional music. **CFG 564 01 and CFG 564 02**

PINEY HOLLOW DRIFTERS

This cultural presentation will include demonstrations of various musical instruments played by the Piney Hollow Drifters. The band will play good, old-time music that is typical in the Pines. **CFG 536 01**

TUNES AND TALES OF THE PINELANDS

Valerie Vaughn
A multi-talented musician and educator from Tuckerton, NJ, Valerie Vaughn specializes in writing tunes with New Jersey themes, covering folklore and the history of the people and places of South Jersey and the Pinelands. **CFG 490 01 and CFG 490 02**

NEW! WHITESBOG: AGRICULTURAL PIONEERING CENTER OF THE EARLY 20TH CENTURY (FIELD TRIP)

Rick Prickett, Whitesbog Preservation Trust

Working with nature, using integrated pest control and readily available substances for fertilizers, Charles Beckwith developed agricultural practices for growing berry crops that resulted in major economic opportunities for many in the Pinelands and

South Jersey. Visit the recently restored center and see where its history began. **CFG 541 01 and CFG 541 02**

NEW! ELIZABETH WHITE: BUSINESSWOMAN, HORTICULTURALIST (FIELD TRIP)

Sue Phillips, Whitesbog Preservation Trust

Visit Elizabeth's house, gardens and original blueberry test fields. Travel through

out the tour along with stops at selected historic and architecturally-unique venues. **CFG 540 01**

Important note: Please bring your own bag lunch for both bus tours and be prepared for spending the day outside in the elements.

WHITESBOG VILLAGE

(LOCATION)

DIRECTIONS WILL BE PROVIDED

**DIRECTIONS TO BURLINGTON COUNTY COLLEGE,
PEMBERTON, NEW JERSEY**

FROM THE NORTH

Take New Jersey Turnpike south to Exit 7. Take Route 206 south approximately 9 miles to the intersection with County 530. Turn left and follow 530 through Pemberton to the college.

FROM THE SOUTH AND WEST

Use the Benjamin Franklin Bridge from Philadelphia to New Jersey Route 38 or the Walt Whitman Bridge to Interstate 295. From the south, use the Delaware Memorial Bridge to Interstate 295. Interstate 295 intersects with Route 38. Take Route 38 through Mount Holly. Route 38 becomes County 530 in Vincentown. Follow 530 through Pemberton to the college.

FROM THE EAST

Use Route 72 west to the circle intersecting state Routes 70 and 72. Head toward New Lisbon on Four Mile Rd. (County 646) from the circle until it ends at County 530. Turn left at the water tower. The college is the first driveway on the left.

**NEW
THIS YEAR!**

- 26 NEW PROGRAMS
- ALL DAY HISTORY BUS TRIP
- PEMBERTON RAILROAD and MUSEUM FIELD TRIP
- ORIENTEERING FIELD TRIPS
- WHITESBOG VILLAGE: The PIONEERING ERA

PINELANDS ART EXHIBITORS:
PHOTOGRAPHY:
Ann-Marie Woods, Mike Hogan
DECOYS:
Barbara and Ray Nyman



**Mail this form
with payment to:
PINES-BCC
120-13 Whitesbog Road
Browns Mills, NJ 08015**

Questions regarding registration?

Please call PINES-BCC at 609.893.1765 or 609.893.1783

**Questions regarding content
of the Short Course program?**

Please call NJ Pinelands Commission
at 609.894.7300, ext.125

CLIP & RETURN

CLIP & RETURN

2010 PINELANDS SHORT COURSE REGISTRATION FORM

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

NAME _____ CHECK ONE

STREET ADDRESS _____ Adult \$30 (until 2/19) \$ _____
or \$35 (starting 2/22) \$ _____

CITY, STATE, ZIP _____ Senior (65+) \$25 (until 2/19) \$ _____
or \$30 (starting 2/22) \$ _____

CONTACT PHONE _____ E-MAIL ADDRESS _____ Student \$15 (until 2/19) \$ _____
or \$20 (starting 2/22) \$ _____

Enclose check, money order or purchase order payable to Burlington County College
OR supply the following credit card information:

MasterCard Visa Discover American Express

Card # _____ Regular Box Lunch \$10 \$ _____

Card # Exp. Date _____ 3-Digit Security Code _____ ZIP Code _____ Vegetarian Box Lunch \$10 \$ _____

Card Holder's Name (please print clearly) _____ Total \$ _____

Card Holder's Signature: _____

For EARLY registration discounted pricing, please return your form by Friday, February 19, 2010.
FINAL registration deadline is Friday, March 12, 2010. EVENT is Saturday, March 20, 2010.

Please indicate your workshop preferences. PLEASE LIST YOUR THREE TOP CHOICES FOR EACH PERIOD, noting the course number in the appropriate time slot. Workshops will be assigned on a first-come, first-served basis. You will receive confirmation of your registration by mail.

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

Cancellation policy: NO REFUNDS

BRING YOUR OWN LUNCH or order a box lunch in regular or vegetarian styles for \$10

TIME	FIRST CHOICE	SECOND CHOICE	THIRD CHOICE
8:45 am to 9:45 am	Course #	Course #	Course #
10:00 am to 11:00 am	Course #	Course #	Course #
11:15 am to 12:15 pm	Course #	Course #	Course #
LUNCH	LUNCH	LUNCH	LUNCH
1:15 pm to 2:15 pm	Course #	Course #	Course #
2:30 pm to 3:30 pm	Course #	Course #	Course #