Purpose
This course will provide an introduction to all aspects of wetlands including occurrence, morphology, hydrology, soils, ecology, and regulation. The primary goal is to focus on the relationship between forest management and wildlife, fisheries, and wetlands management.

Who Will Benefit?
This class is appropriate for forestry, wildlife or fisheries professionals in natural resource management working in consulting, industry, government, or a non-profit organization. This class is not a training class for wetland delineation or wetland functions assessment, but it provides attendees with the basis for conducting such assessments.

Instructors

Dr. Susan Wilde, Associate Professor at the Warnell School of Forestry and Natural Resources received her PhD in the USGS Fish and Wildlife Cooperative USGS Unit at Warnell. Her research interests include; watershed protection, stormwater best management practices, water quality, and reservoir limnology. She led the research to discover the cause of Avian Vacuolar Myelinopathy, a disease responsible for eagle and waterfowl death caused by toxic cyanobacteria growing on invasive aquatic plants.

Dr. Lori Sutter, Research Scientist at Warnell completed her PhD in Marine Science at the Virginia Institute of Marine Science. She is interested in the effects of climate change and other stressors on wetland ecology. Her research emphasizes the response of tidal marshes to climate change, especially sea-level rise and salt-water intrusion through field measurements, greenhouse experiments, and outdoor laboratory and field manipulations.

Dr. Darold Batzer is Professor in the Department of Entomology. His research focuses on the ecology of aquatic invertebrates and fish in wetlands. He teaches the Graduate course in wetland ecology at UGA, has published five textbooks on various aspects of wetland ecology, and has served as Editor-in-Chief for the journal Wetlands.

Jay Shelton is an Associate Professor at Warnell. His research and teaching focus on threatened aquatic species; water quality management in aquaculture and fisheries biology. He coordinated the environmental assessment and the removal of Whitehall Dam below Flinchams Phoenix to improve migration and connectivity in the Oconee River.

Elizabeth Pienaar is an Assistant Professor at Warnell She studies conservation of wildlife, habitat, and ecosystem services on private and communal lands, mostly in the United States and southern Africa. She integrates human dimensions of wildlife conservation and environmental economics to assist government agencies and conservation organizations in the design of conservation policy.
The Warnell Continuing Education Program
Daniel B. Warnell School of Forestry and Natural Resources

Course Itinerary

Tuesday, August 31, 2021

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>8:15</td>
<td>Welcome and Introduction</td>
</tr>
<tr>
<td>8:30</td>
<td>Overview of forest management and wildlife, fisheries, and wetlands management (Susan Wilde)</td>
</tr>
<tr>
<td>9:00</td>
<td>Wetlands hydrology and soils (Lori Sutter)</td>
</tr>
<tr>
<td>9:45</td>
<td>Wetland Ecology (Darold Batzer) Primary productivity, macroinvertebrates, fish and food webs</td>
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<tr>
<td>10:15</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>10:30</td>
<td>Values of Coastal Wetlands (Lori Sutter)</td>
</tr>
<tr>
<td>11:00</td>
<td>Aquatic Connectivity (Jay Shelton)</td>
</tr>
<tr>
<td>12:15</td>
<td>Lunch</td>
</tr>
<tr>
<td>1:00</td>
<td>Native/Invasive aquatic plant identification presentation (Jay Shelton)</td>
</tr>
<tr>
<td>1:30</td>
<td>Aquatic plant identification demonstration; live plants, microscopes, plant ID books</td>
</tr>
<tr>
<td>3:00</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>3:15</td>
<td>Important wetlands in North America (Susan Wilde) Human dimensions of wetland conservation (Elizabeth Pienaar)</td>
</tr>
<tr>
<td>5:15</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>

Wednesday, September 1, 2021

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Wetlands at Whitehall field trip (Susan Wilde)</td>
</tr>
<tr>
<td>9:30</td>
<td>Herps in Wetlands (conservation/management) (Angela Burrows) Herpetofauna demonstration with live animals</td>
</tr>
<tr>
<td>10:15</td>
<td>Wetland Conservation and gopher frogs (Lori Sutter)</td>
</tr>
<tr>
<td>11:00</td>
<td>Management of Coastal Wetlands (Scott Coleman, Little Saint Simon's Island Ecological Manager)</td>
</tr>
<tr>
<td>12:30</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>
The Warnell Continuing Education Program
Daniel B. Warnell School of Forestry and Natural Resources

Continuing Education Credits
• 12.0 Continuing Forestry Education (CFE) Hours – Category 1 (to be applied for)
• 12.0 Continuing Logger Education Hours (CLE) – Category B (to be applied for)

Registration Fee
The fee for this course is $325.00, which includes lunch, refreshment breaks, and instructional materials. There is a $50.00 discount for those who register by August 16.
You can register on-line at https://conted.warnell.uga.edu/courses/wetlands2021 or use the below mail-in registration form.

Hard Copy Registration Form

___________________________________________________________
Name - please print

___________________________________________________________
Preferred name for badge

☐ Business mailing address or ☐ Home address (please check one)

City __________________________ State _______ Zip ______ County, if Georgia

Home phone __________________ Work phone ______ Fax ______

Email address __________________ Please send me e-mails about other Warnell Continuing Education programs.

___________________________________________________________
Position __________________________ Organization/employer __________________________

By registering for this event I agree to comply with all event and lodging cancellation policies.

Wetlands Ecology & Management
August 31-September 1, 2021

Early Registration (through August 16, 2021)………………...$275.00
Regular registration (Registration ends on August 27)..........$325.00

Enclosed is a check #____
(payable to Warnell School of Forestry and Natural Resources)
Your registration will not be processed until payment is received.

Mail payment to:
Anuj Sinha
Warnell School of Forestry and natural Resources
The University of Georgia,
Athens, Georgia, 3060

Full Attendance is Mandatory to Receive Credit.
The Warnell Continuing Education Program
Daniel B. Warnell School of Forestry and Natural Resources

Cancellations
In the event that you need to cancel, in order to receive a refund you must contact Ingvar Elle (706-583-0566 or ingvar@uga.edu) by August 16, 2021.

Parking and Directions
Parking at Flinchum’s Phoenix is free of charge. For directions use the Googlemaps.com directions page. Type in “650 Phoenix Road, Athens, GA.”

Special Needs
If you require special services or dietary considerations, contact Ingvar Elle at 706-583-0566 or e-mail him at ingvar@uga.edu prior to August 5, 2021.

Wetlands Ecology & Management
August 31- September 1, 2021
Instructors: Dr. Susan Wilde, Dr. Lori Sutter, Dr. Darold Batzer,
Dr. Jay Shelton, Dr. Elizabether Pienaar.
Flinchum’s Phoenix, 650 Phoenix Road, Athens, Georgia