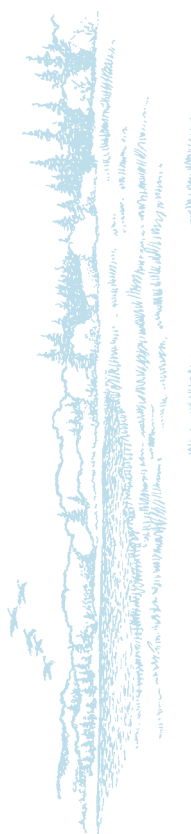


AQUATIC RESOURCES EDUCATION
N.H. FISH AND GAME DEPT.
11 HAZEN DRIVE
CONCORD, NH 03301



PRSRST STD
US POSTAGE
PAID
CONCORD, NH
PERMIT #1478



New Hampshire Fish and Game Department

Watershed Ecology Institute

A Course for Science Educators, Youth Leaders and Community Leaders

8:30 am to 3:30 pm

July 20–24, 2009

July 27–July 31, 2009

(10 days)

Meredith Community Center

Meredith, NH

Graduate and Undergraduate Credit Available



UNIVERSITY of NEW HAMPSHIRE
COOPERATIVE EXTENSION

Watershed Ecology Institute

The Watershed Ecology Institute is an undergraduate and graduate-level summer program geared towards science educators and youth group and community leaders. The course is coordinated by staff from the New Hampshire Fish and Game Department with technical support from UNH Cooperative Extension and the N.H. Department of Environmental Services. Each day specialists focus on a particular aspect of watershed ecology. Hands-on, experiential learning is emphasized in both field and classroom settings. The course offers techniques for applying science in real-world situations.



JUDY TUMOSA PHOTO

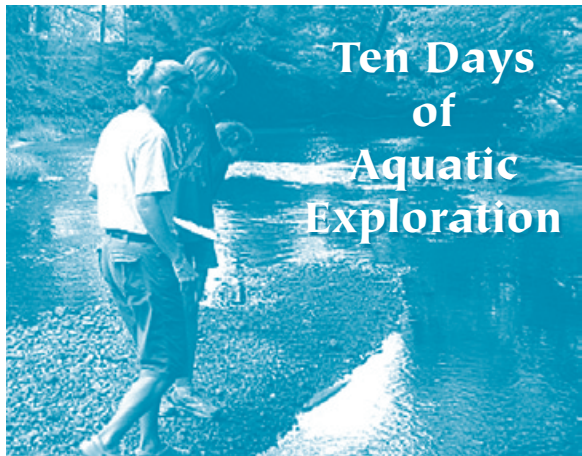
Course Credit and Tuition Assistance

This course can be taken for 2 credits from University of New Hampshire Continuing Education, or as a non-credit course. Watershed Ecology is a credit/fail course. UNH credit course participants are required to complete a final exam. This exam is optional for non-credit participants. Professional credit is also available for N.H. Consultant Foresters and N.H. Association of Natural Resource Scientists.

Tuition assistance for the course may be available to teachers through Eisenhower staff development funds from local school districts.

No person shall be denied the opportunity to participate in this program because of an inability to pay.

This program receives Federal financial assistance from the US Fish and Wildlife Service. Under Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, The US Department of the Interior and its bureaus prohibit discrimination on the basis of race, color, national origin, age, disability, or sex (in educational programs). If you believe that you have been discriminated against in any program, activity, or facility, or if you desire additional information please write to: The US Fish and Wildlife Service, Office for Diversity and Civil Rights Programs – External Affairs, 4040 N. Fairfax Drive, Suite 130, Arlington, VA 22203



JUDY TUMOSA PHOTO

Ten Days of Aquatic Exploration

Classes are from 8:30 am to 3:30 pm and have both classroom and outdoor components.

1 Watershed Overview (Monday, July 20)

- Introduction to watersheds
- Non-point source pollution
- Watershed delineation

2 GIS & GPS Mapping and Inventories (Tuesday, July 21)

- Introduction to GIS and GPS
- Land use assessment
- GIS in the classroom activities

3 Macro-invertebrates and Stream Ecology (Wednesday, July 22)

- Invertebrate adaptation and ID
- Stream monitoring and sampling
- Stream habitat assessment

4 Plant Communities (Thursday, July 23)

- Plant identification and adaptations
- Working with transects

5 Forests and Wildlife Resources (Friday, July 24)

- Natural resources inventories
- Wildlife habitat and natural history
- Wildlife Action Plan species and maps

6 Pond and Lake Ecology (Monday, July 27)

- Water quality testing
- Lake trip to try your hand at sampling
- Watershed quality assessment

7 Wetlands Evaluation (Tuesday, July 28)

- Wetland functions and classifications
- Field evaluation of wetlands
- Groundwater resources

8 Estuarine and Marine Ecology (Wednesday, July 29)

- Introduction to estuaries and saltmarshes
- Intertidal zone of rocky shores

9 Aquatic Resource Management (Thursday, July 30)

- Fisheries habitat conservation in N.H.
- Day on the river — real water use issues in N.H.

10 Issues Discussion and Project Evaluation (Friday, July 31)

- Project evaluation
- Community involvement (getting students involved)
- Field Trip



On each day, remember to bring...

- Clothing and footwear suitable for outdoor fieldwork. We will go outside rain or shine.
- Lunch.
- Note paper and writing utensils.
- Clipboard, sunscreen, insect protection, hat and sunglasses.

Further details and directions will be sent with registration confirmation.

Registration Form

Please complete this form and send it with payment to:

Watershed Ecology
UNH Cooperative Extension
218 Nesmith Hall, 131 Main St.
Durham, NH 03824-3597
Fax: 603-862-0107

**Please make checks payable to:
UNH Cooperative Extension
(No credit cards please)**

Name: _____

Affiliation: _____

Address: _____

Town: _____ State: _____

Zip: _____ E-mail: _____

Phone:(home)_____ (wk)_____

CREDIT/TUITION

Undergraduate credit:

NH resident: \$286 per credit (\$572) \$ _____

Non-resident: \$315 per credit (\$630) \$ _____

Graduate credit:

NH resident: \$333 per credit (\$666) \$ _____

Non-resident: \$367 per credit (\$734) \$ _____

Non-credit: \$125 for 2 weeks
or \$25/day \$ _____

Registration fee: (nonrefundable) \$ 34.50

TOTAL: \$ _____

A \$100 deposit is required to reserve a place in the course with full payment due by the first day of class.

SPACE IS LIMITED

Call 603-271-0456 if you have any questions.

NOTE: If you have special needs that need accommodation in order to participate in this program, please contact us at least 4 weeks in advance of the program date to allow us time to make the necessary arrangements.