

**SUMMER 2008 ISLE ROYALE COURSES**

**Ecology of Isle Royale • ED 5560 • July 19-27, 2008**



Join us for the experience of a lifetime! This 2008 extended 9-day course includes a gathering of scientists for the 50<sup>th</sup> anniversary of Isle Royale's Wolf-Moose research. The field-based wilderness exploration at Isle Royale National Park prepares teachers to help students understand ecological concepts, wilderness ethics and skills, and cultural history through direct experience, observation, and discussion. The interactive course is designed to provide K-12 educators with standards-based professional development and time to plan, discuss, and reflect on their teaching. Participants work in groups, learning and sharing their teaching experience and ideas with other educators. The course is conducted while wilderness camping, backpacking, and exploring a variety of terrestrial and aquatic habitats and cultural sites.

Isle Royale is a unique wilderness ecosystem, isolated by the extreme influences of Lake Superior, and well known for the world's longest-running predator-prey study of wolves and moose. A rich history of research and an isolated setting make Isle Royale an ideal location for studying natural and human-caused change with interdisciplinary applications to math, sciences, writing, and social studies.

Participants should be prepared for strenuous hiking and primitive camping in a very remote and isolated area—an introduction to wilderness skills is included. A final project is the creation of lesson plans applying your experiences on Isle Royale to classroom teaching, to be submitted after completion of the trip. Educators with extensive Isle Royale experience lead this course. The course begins and ends in Houghton, MI

**Cost:** \$800 resident/non-resident per participant, this covers \*Michigan Tech tuition, course materials, ferry transportation to and from Isle Royale, 9 days of food, and some camping equipment. Limited to 18 participants.

**Credit:** 3 graduate credits through Michigan Technological University's Cognitive and Learning Sciences  
For additional course information go to [www.iri.mtu.edu](http://www.iri.mtu.edu)

**50 Years of Wolf Moose Research • ED 5630 • July 24-August 1, 2008**



2008 marks the 50<sup>th</sup> anniversary of the world's longest running predator-prey study—the Wolves and Moose of Isle Royale. This field-based course set in the wilderness backcountry of Isle Royale National Park delves into the lessons learned in these 50 years. Participate in the anniversary gathering of scientists from around the country and learn first-hand how this study has influenced research and conservation around the globe. Examinations of field methods and datasets from the study and wolf conservation issues will be central to the course, along with creative writing and journaling. Group discussions will help you to bring your experiences to your classroom by forming links between Isle Royale and your home communities and sharing ideas for lesson plans and class projects.

Participants should be prepared for strenuous wilderness hiking and backpacking, some prior wilderness experience is recommended. This course focuses on participant involvement with group discussions, team and individual activities. The instructors are educators and researchers with extensive experience at Isle Royale. One requirement is the creation of lesson plans applying your experiences on Isle Royale to classroom teaching, to be submitted after completion of the trip. The course begins and ends in Houghton, MI.

**Cost:** \$800 resident/non-resident per participant, this covers \*Michigan Tech tuition, course materials, transportation from Copper Harbor, Michigan to Isle Royale, six days of food, and some camping equipment. Prerequisite: ED 5560, or permission of instructor. Limited to 18 participants.

**Credit:** 3 graduate credits through Michigan Technological University's Cognitive and Learning Sciences  
For additional course information go to [www.iri.mtu.edu](http://www.iri.mtu.edu)

\* A departmental stipend and funding from a Michigan Department of Education Improving Teacher Quality grant to Michigan Technological University help to reduce official MTU tuition (2007/08 Official MTU tuition per credit rates are: Applied Science Education Graduate Resident and Non-Resident \$369). The National Park Service contributed funding for the 50 years of Wolf Moose Research course.

# ISLE ROYALE COURSE APPLICATION

Please select course.

\_\_\_\_\_ Ecology of Isle Royale • ED 5560 • July 19–27, 2008 (limited to 18 participants)

\_\_\_\_\_ 50 Years of Isle Royale Wolf-Moose Research • ED 5630 • July 24-August 1, 2008 (limited to 18 participants)

Please type or print in ink. Duplicate as needed.

Name \_\_\_\_\_  
First Middle Last

Home address \_\_\_\_\_  
Street City State ZIP

Date of birth \_\_\_\_\_ Social Security or MTU M Number \_\_\_\_\_

Work phone \_\_\_\_\_ Home phone \_\_\_\_\_

Work Fax \_\_\_\_\_ Email \_\_\_\_\_

Home Email \_\_\_\_\_

School name \_\_\_\_\_

School address \_\_\_\_\_  
Street City State ZIP

Current subject areas taught \_\_\_\_\_

Grades taught \_\_\_\_\_

School District \_\_\_\_\_

I agree to all of the following to participate in the Isle Royale Summer 2008 Institutes:

- 1) Read and respond to all preparatory materials and communications prior to the institute.
- 2) Consent to the release of my name, address, and email address to other participants in the institute.
- 3) Fully participate in each day of the institute.
- 4) Meet the requirements of the syllabus for the institute.
- 5) Consent to posting my lesson plans submitted for this course on Michigan Tech websites.
- 6) Consent to the release of my photograph for publications.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Return your completed application by **April 1, 2008** to:

Lori Witting  
Professional Development Coordinator  
Cognitive and learning Sciences/MTU  
Academic Office Building  
1400 Townsend Drive  
Houghton, MI 49931-1295  
Phone: 906/487-2263  
Fax: 906/487-3101  
Email: [lori@mtu.edu](mailto:lori@mtu.edu)

Applicants will be notified of selection by **April 15, 2008**. Upon notification of selection, participants will be provided with information regarding the registration fee.