

### MOOSEWATCH FOR EDUCATORS AT ISLE ROYALE, MICHIGAN - 2021

**Session #1: June 21 – June 28 OR Session #2: July 5 – July 12**



#### Course Description:

*Moosewatch for Educators* is a unique field experience in support of the ecological study of wolves and moose at Isle Royale National Park. Educators will receive the technical instruction needed to participate as a member of a backcountry research team. The research team will be operating in an off-trail wilderness setting involving travel by canoe and foot. You will learn research methods, backcountry navigation, and backpacking/wilderness living skills. The course will integrate aspects of earth science, botany, general ecology, and the use of literature in teaching science. Participants will discuss development of lesson/unit plans for use at their local schools. The group will also provide a public presentation about their experiences at the end of the field course.

#### Course Goal and Objectives:

The general educational goal of this course is to enhance problem-solving and project-based learning skills of teachers and other educators by providing standards-based instruction within a real-world research setting. This goal will be fulfilled with curriculum incorporating more specific learning objectives and applicable activities related to:

- Field research methods to generate measurable scientific data;
- Field navigation techniques using GPS, and map and compass;
- Wilderness living and travel techniques in a remote, backcountry environment;
- Experiential learning instructional strategies for elementary and secondary students; and
- Next Generation Science Standards.

**Schedule of Activities:** The field component of the course will be eight days in length. Travel to Isle Royale will be aboard *Isle Royale Queen IV* from Copper Harbor, MI. Instructional and experiential learning activities will take place at several coastal and backcountry locations accessible from the Rock Harbor channel. Travel to camp sites will be by boat and canoe with hiking excursions made from base camps. Instruction in field research methods, backcountry navigation, general ecology and wilderness living skills are blended into daily activities. Participants will engage in reflective group discussions, and make a presentation on their experiences to the visiting public at Isle Royale.

**Cost:** **\$1,250** resident/non-resident per participant – this covers 45 SCECH hours (*continuing education approved by the State of Michigan for Michigan teachers*), course materials, transportation from Copper Harbor to Isle Royale, and all food at Isle Royale. Participants need to provide only basic backpacking equipment. For more details, contact group leader/instructor **Karen Bacula – [kbacula@mtu.edu](mailto:kbacula@mtu.edu)**

**Limited to 5 educators per session, so register soon!**

# REGISTRATION FORM: *MOOSEWATCH FOR EDUCATORS* AT ISLE ROYALE

Please type or print in ink clearly. Duplicate as needed.

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

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

Date of birth \_\_\_\_\_ Home email \_\_\_\_\_

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

Work fax \_\_\_\_\_ Work email \_\_\_\_\_

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

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

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

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

School district \_\_\_\_\_

I agree to all of the following in order to participate in this summer 2021 field course:

- 1) Read and respond to all preparatory materials and communications prior to the course.
- 2) Consent to the release of my name, address, and email address to other participants in the course.
- 3) Fully participate in each day of the course.
- 4) Meet the requirements of the syllabus for the course.
- 5) Consent to the release of my photograph for publications.

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

Which session would you like? \_\_\_\_\_

**Return your completed registration form by APRIL 5, 2021 along with a \$150 deposit, made out to *Michigan Technological University*, to:**

**Ken Vrana**  
Director, Isle Royale Institute  
1400 Townsend Drive  
Houghton, MI 49931  
Phone: **906-487-4335**; email: **kjvrana@mtu.edu**

**NOTE:** Upon registration, participants will be provided a *Moosewatch* questionnaire, health form, and course details. Upon notification of selection, participants will receive information regarding final payment. The \$150 deposit will be refunded if you are not selected for participation and will be applied to the registration fee if you are selected. **Full payment is due at least one month before your session.**