Teacher Professional Development Courses ~ Summer 2006
www.ed.mtu.edu

Course Registration and Information
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Information on M. S. in Applied Science Education
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Check our website for updates: http://www.ed.mtu.edu/
Lodging available at Michigan Technological University.

Michigan’s NEW! Environmental Science Curriculum Teacher-Training ~ June 12-16
A hands-on introduction to Michigan’s five new curriculum units for grades 4-9. A different unit will be taught each day: Ecosystems & Biodiversity, Land Use, Water Quality, Energy Resources, Air Quality. Participants may choose 1-5 days. 1-2 cr. ED 5640

Mathematics and Navigation for Teachers ~ June 19-23
Learn the theory and practice of marine navigation, and solve navigation problems using mathematics, instrumentation, and GPS aboard the Michigan Tech research vessel Agassiz. 2 cr. ED 5661

Geology of Utah’s National Parks ~ June 17- July 1
Two-week field course in the Nat'l Parks and Monuments of east Utah. Learn how climate, sea-level, and mountain-building change landscapes through time. 4 cr. GE 5130

Forest Resources & Environmental Sciences ~ June 25-29
Examine the ecology, insects and disease, wildlife, water quality and management of Michigan forests. Develop a forest management plan. Held at MTU’s Ford Center. 3 cr. ED 5630

Ecology of Isle Royale ~ June 19-24
Field-based camping experience in Isle Royale Nat'l Park that focuses on ecological concepts, wilderness ethics, biostatistics, and biometrics. 3 cr. ED 5560

Teaching American History: Understanding Politics ~ June 19-23
Learn the history of American politics through an examination of Michigan. Content-rich course taught by an expert on the Upper Peninsula. 2 cr. SS 5010

Exploring Mathematics through Engineering Applications ~ June 25-30
Three-dimensional spatial skills, geometry, truss analysis, programmable logic controllers. Examine strategies to build student knowledge through problem-solving. 2 cr. ENG 5101

Global Change Institute for Teachers ~ July 17-21
Engage students in a real-world study of the effects of global change on ecosystems, including the impacts of climate change, elevated carbon dioxide and ozone levels, nitrogen saturation, acid rain, and exotic species invasions. 3 cr. FW 5641/ED 5641

Maritime and Lake Superior Ecology Aboard a Tallship ~ July 16-20
The tallship “Denis Sullivan” is the classroom for this one-week program emphasizing lake ecosystems. Participants will serve as crew while sailing around the Keweenaw Peninsula.

Great Lakes Ecology Aboard EPA’s R/V Lake Guardian ~ July 9-15
Live aboard the U.S. EPA’s research vessel and tour Lake Superior to study physical, chemical and biological limnology taught by Michigan Tech faculty and EPA scientists. 3 cr. ED 5630

Explore Great Lakes Maritime Transportation ~ June 17-23
Travel the southern shore of Lake Superior to study how the Great Lakes are used as a critical transportation artery. Investigate the economics, security, and environmental issues of Great Lakes commerce. 3 cr. ED 5680