2006 Classroom/Field Courses

NEW! Michigan's Environmental Science Curriculum Teacher Training • June 12-16
Hands-on introduction to Michigan’s new curriculum units for grades 4-9. Ecosystems and Biodiversity, Land Use, Water Quality, Energy Resources, Air Quality. 1-2 cr. ED 5640

Geology of Utah’s National Parks • June 17-July 1
Two-week field course based 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

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 for the US economy. Investigate the economics, security, and environmental issues of Great Lakes commerce. 3 cr. ED 5680

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

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. ED 5680

Engineering in Earth Science • June 19-23
Problem-solving in the earth sciences, emphasizing applications in mathematics and science teaching. 2 cr. ENG 5302

Ecology of Isle Royale • June 19-24
Field-based camping experience in Isle Royale Nat’l Park to help understand ecological concepts, wilderness ethics, biostatistics, and biometrics. 3 cr. ED 5560

Forest Resources and Environmental Sciences • June 25-30
Examine forest ecology, insects and disease, wildlife, and water quality of Michigan forests. Develop a forest management plan at MTU’s Ford Forestry Center. 3 cr. ED 5630

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

Engineering for Educators • June 26-30
Introduces the engineering problem-solving and design processes, with emphasis on engineering applications in mathematics teaching. 2 cr. ENG 5102

Great Lakes Ecology Aboard the Lake Guardian • July 9-13
Live on the EPA’s research vessel and tour Lake Superior to study physical, chemical, and biological limnology with Great Lakes research scientists. 3 cr. ENG 5630

Maritime 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 serve as crew to sail around the Keweenaw Peninsula. 2 cr. ED 5640

Global Change Institute for Teachers • July 17-21
Focus on skills to engage students in real-world study of global climate change and its effects on ecosystems. 3 cr. ED 5641

Course Registration and Information
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