2007 Summer Courses for Teachers

Apply these courses toward Michigan Tech's Master's Degree in Applied Science Education or toward your planned program for professional certification.

Course Registration and Information
Lori Witting, Professional Development Coordinator
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Information on Master of Science in Applied Science Education
Brad Baltensperger, Chair, Department of Education
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Geology of Utah’s National Parks • June 16-July 1
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. GE5130
*Cost: Resident—$500, Non-Resident—$800

Ecology of Isle Royale • June 17-23
Explore the ecology and history of Isle Royale through wilderness backpacking, conversations with researchers, and examination of research data. 3 cr. ED5560

Using Environment to Teach Science and Social Studies • June 18-20
Hands-on introduction to Michigan's new curriculum units for grades 4-9. Ecosystems and biodiversity; land use; water quality; air quality; energy resources. 1 cr. ED5640
*Cost: TBD

Engineering for Educators • June 18-22
Introduces engineering problem-solving and design process, with emphasis on engineering applications in math and science teaching. 2 cr. ENG5102
*Cost: Resident - $400

Global Change Inst. for Teachers • June 25-29
Develop lessons to engage students in real-world study of global climate change and its effects on ecosystems. 3 cr. ED5641 or FW5641
*Cost: $600

Engineering in Earth Science • June 25-29
Problem-solving in the earth sciences, emphasizing applications in mathematics and science teaching. 2 cr. ENG5302
*Cost: Resident—$400

Advanced Ecology of Isle Royale • July 1-7
Explore the terrestrial and aquatic ecology of Isle Royale in depth through field methods, wilderness immersion, and paddling the park’s waterways. 3 cr. ED5640

Engineering for Earth Science Education • July 9-13
Lab and field work studying water quality assessment using Palm-based labs and scanning electron microscopes to build student skills. 2 cr. ENG5301
*Cost: Resident—$400

Forest Ecology and Resources • July 9-13
Bring the forest into your K-12 classroom with an exploration of forest ecology, wildlife, soils, insects, disease, & management. 3 cr. ED5630
*Cost: $850

Mathematics and Navigation for Teachers • July 16-20
Learn theory and practice of marine navigation; solve navigation problems with math, instrumentation, and GPS on the Michigan Tech research vessel, Agassiz. 2 cr. ED5661
*Cost: $1,010 + $320 lab fee

Engineering Applications in the Physical Sciences • July 16-27
How engineers use principles from physical sciences to solve problems and design systems. Concepts linked to national and state science standards. 4 cr. ENG5200
*Cost: Resident—$400, Non-Resident—$800

Lake Superior Ecology Aboard a Tallship • July 16-21
Tallship Denis Sullivan is your classroom for study of lake ecosystems. Participants serve as crew to sail around the Keweenaw Peninsula. 2 cr. ED5640
*Cost: $1,640

Great Lakes Maritime Transportation • July 30-Aug 3
Explore maritime transportation topics (history, economic and environmental issues, geography) while touring Soo Locks and Upper Peninsula ports. Addresses social studies and science standards, grades 4-12. 2 cr. ED5680
*Cost: $450

Teaching American History: Windows to the Past • Aug 20-24
Study artifacts, photos, streetscapes and diaries to help students explore the past. Content-rich course taught by an expert on the Upper Peninsula. 2 cr. ED5680
*Cost: $275

*Michigan Tech Applied Science Education graduate tuition rate is $345 per credit.
Costs for the above courses have been reduced by external funding or Michigan Tech department awards.
Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.