

Geology of Utah's National Parks • GE 5130 • June 14–July 1, 2010

This course consists of fourteen days of field-based activities conducted in and around the national parks and monuments of eastern Utah—areas internationally recognized for their outstanding geology. Using maps, compasses, GPS, rock and mineral identification, geomorphology, subsurface geology, fossils, and basic engineering principles, teachers learn how climate, sea level, and mountain building change the earth's landscape through time, and how geologists recognize the record of change in rocks.

The course is mainly about geology, but it's also about teaching and learning. Instructors model and demonstrate the effectiveness of several innovative teaching styles as they train participants to use a process-based approach in earth science. Recognizing that people have a variety of learning styles, this course tries to accommodate individuality.

Participants need no prior experience in earth science. Participants in the Geology of Utah's National Parks Course will meet in Denver, Colorado, on June 14, 2010, and course instruction will begin on June 15. Participants will camp during the course, collaborating with staff to prepare group meals. The group returns to Denver on June 30, 2010 and departs July 1.

Cost: Resident/Non-Resident - \$800 registration fee. This cost covers *MTU tuition, travel during the course, camping and park-entry fees, food, group camping equipment, textbooks, and technical equipment. Participants provide personal clothing and camping gear and travel to and from Denver.

Credit: 4 graduate credits through Michigan Technological University's Department of Geological and Mining Engineering and Sciences

*A departmental stipend and funding from a Michigan Space Grant Association help to reduce official MTU tuition (2009/10 Official Applied Science Education Graduate Resident and Non-Resident \$411 per credit).





Geology of Utah's National Parks GE 5130 Participant Application

Please type or print in ink. Duplicate as needed.

Name _____
First Middle Last

Home address _____
Street City State ZIP

Date of birth _____ SS# or MTU M # _____

Home phone () _____ Work phone () _____

Fax () _____ Work email _____

How often do you check your email? _____ Home email _____

School name _____

School address _____
Street City State ZIP

Current subject areas taught _____

Grades taught _____

School District _____

Degree earned/areas of certification _____

I agree to all of the following to participate in the Geology of Utah's National Parks Course GE 5130:

- 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) Understand that my final project will be published in some format
- 6) Consent to the release of my photograph for publications.
- 7) My written work submitted in the courses may be used for project evaluation.

Signature _____ Date _____

Return your completed application by **April 1, 2010**

To:

Lori Witting
Teacher Professional Development Coordinator
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931-1295
Phone 906-487-2263
Fax 906-487-2468

Applicants will be notified of selection by **April 15, 2010**.

Upon notification of selection, participants will be provided with information regarding the registration fee and course information.

www.ed.mtu.edu