



Applied Geology

College of Natural Sciences and Mathematics
Department of Environmental Sciences
EEES 4640-001
CRN 28955

Instructor: Mark J. Camp mark.camp@utoledo.edu

Office Hours: 9-Noon M, 10-Noon W, or by previous arrangement

Office Location: 3022 BO **Office Phone:** 419-530-2398

Term: Fall 2015

Class Location: 1006 BO and field sites **Class Day/Time:** F 8:00-12:00

EEES – 4640 APPLIED GEOLOGY [2 hours in Fall; 1 hour in Spring]
Weekly field experiments Friday mornings (10 weeks in fall; 5 weeks in spring) covering a variety of geology topics to simulate professional activity and strengthen concepts. Prerequisite: Junior standing required; permission of the Department. *(Both Fall and Spring sections are required for the BS or BA in Geology)*

COURSE OVERVIEW

Fall semester we will learn standard geologic field techniques for describing and mapping sedimentary rocks in a series of visits to the Sawyer Quarry

Preserve of the Wood County Park District. This will include section measurement, facies determination, fossil and mineral identification, strike and dip measurements, and other techniques to be determined after preliminary surveys of the site.

Two or three Fridays will include site visits to SSOE, Envirosafe, and hopefully Marblehead Quarry.

STUDENT LEARNING OUTCOMES

Students will be able to use the common tools necessary for a field or lab investigation.

TEACHING STRATEGIES

Students will apply what has been learned in classes and readings in a field situation. Experts in particular areas of geology will demonstrate lab, mapping, and reconnaissance techniques.

PREREQUISITES AND COREQUISITES

Junior standing and permission of Department

REQUIRED TEXTS AND ANCILLARY MATERIALS

No text required. Safety equipment will be supplied as needed, however possession of steel toe boots may be required for some field situations.

TECHNOLOGY REQUIREMENTS

No special requirements

1 Syllabus Development Resources: Template/December 9, 2014

Office of the Provost/University Teaching Center/ Office of Assessment, Accreditation and Program Review



UNIVERSITY POLICIES *The University is an equal opportunity educational institution. Please read [The University's Policy Statement on Nondiscrimination on the Basis of Disability Americans with Disability Act Compliance](#).*

[http://www.utoledo.edu/policies/administration/diversity/pdfs/3364_50_03_Non discrimination_o.pdf](http://www.utoledo.edu/policies/administration/diversity/pdfs/3364_50_03_Non_discrimination_o.pdf)

Academic Accommodations *The University of Toledo is committed to providing equal access to education for all students. If you have a documented disability or you believe you have a disability and would like information regarding academic accommodations/adjustments in this course please contact the [Student Disability Services Office](#).*

ACADEMIC POLICIES

The student is expected to follow the guidelines of student conduct as outlined in the Student Handbook:

<http://www.utoledo.edu/studentaffairs/pdfs/studenthandbook.pdf>

Other useful information on undergraduate research can be found at the Office of Undergraduate Research:

<http://www.utoledo.edu/honors/undergradresearch/>

COURSE EXPECTATIONS

The student is expected to attend each class, participate in field work, contribute to any team effort, and complete any assigned work as scheduled. On offsite visits the student is a representative of the University of Toledo and is expected to follow all rules and regulations of the host. Assignments are due on the date given except where instructor has approved an extension.

GRADING

Course grade will be based on successful completion of assigned activities and participation in all field trips.

Midterm Grading

A grade will be posted after 5 weeks of this 10 week class.

Final Grading

An A-F scale will be used. +/- values will be assigned

COMMUNICATION GUIDELINE

E-mails will be answered within 24 hrs. I check e-mails several times daily so most likely response will be quick.

STUDENT SUPPORT SERVICES

Please consult any of the following agencies if you need further help:

University Libraries

<http://www.utoledo.edu/library/>

Learning Enhancement Center

<http://www.utoledo.edu/success/lec/>

Writing Center

<http://www.utoledo.edu/success/writingcenter/index.html>

Success Coaches

<http://www.utoledo.edu/successcoach/index.html>

Counseling Center

<http://www.utoledo.edu/studentaffairs/counseling/>

COURSE SCHEDULE

August 28 Introduction, establishment of teams, and initial quarry reconnaissance

Sept. 4 Sawyer Quarry Preserve

Sept. 11 Envirosafe visit

Sept. 18 SSOE visit

Sept. 25, Oct. 2, 9, 16, 23, 30 Sawyer Quarry Preserve and TBA

