

The University Of Toledo

Existing Graduate Course Modification Form

* denotes required fields

Contact Person*: Phone: (xxx - xxxx) Email:

Present

Supply all information asked for in this column. (Supply core, research intensive and transfer module info if applicable)

College*:
 Dept/Academic Unit*:
 Course Alpha/Numeric*:

Course Title:

Credit hours: Fixed: or Variable: to

CrossListings:

▲ To add a course, type in course ID and click the Insert button.

▼ To remove a course, select the course on left and click the Remove button.

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Catalog Description (only if changed) 75 words max:

Proposed

Fill in appropriate blanks only where entry differs from first column.

College:
 Dept/Academic Unit:
 Course Alpha/Numeric:

Course Title:

Credit Hours: Fixed: or Variable: to

CrossListings:

▲ To add a course, type in course ID and click the Insert button.

▼ To remove a course, select the course on left and click the Remove button.

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Catalog Description (only if changed) 75 words max:

Intensive field studies in the Black Hills of South Dakota and Wyoming; stratigraphic section measuring, geologic mapping and interpretation and other field methods in geology.

Intensive field studies to various areas of geologic interest. Studies may involve various geologic field methods and descriptive techniques. Course may be repeated multiple times. Fall and Spring

Has course content changed?

Yes

No

If course content is changed, give a brief topical outline of the revised course below(less than 200 words)

Major difference is that focus will be on different selected locations, not just the Black Hills region. A variety of field experiences and techniques will include some combination of geologic material analysis, process and landform description, mapping, stratigraphic correlation, computer simulation, and experimentation.

Proposed effective term*: (e.g. 201140 for 2011 Fall)

File Type	View File
Syllabus	View

List any course or courses to be deleted.

Effective Date: 








Effective Date: 

Comments/Notes:


Rationale:

EEES 5650 has not been taught for a number of years due to low enrollment, faculty retirements, and curriculum redirection. This was a six-week summer field camp focusing on the Black Hills region. Changes at the undergraduate level in EEES 4640 and 4650 required an equivalent course at the graduate level (EEES 5650) EEES 5650 will allow the participation of graduate-level students in Fall and Spring field experiences. The reduction to 1-4 hrs. reflects the change to a 7-14 day course from a 6-week summer camp.

Approval:

Department Curriculum Authority:	<input type="text" value="Scott Heckathorn"/>	 Date	<input type="text" value="2017/01/27"/>
Department Chairperson:	<input type="text" value="Timothy Fisher"/>	 Date	<input type="text" value="2017/02/13"/>
College Curriculum Authority or Chair:	<input type="text" value="John Bellizzi"/>	 Date	<input type="text" value="2017/02/21"/>
College Dean:	<input type="text" value="Karen Bjorkman"/>	 Date	<input type="text" value="2017/02/22"/>
Graduate Council:	<input type="text" value="Constance Schall, GC mtg 4/18/17"/>	 Date	<input type="text" value="2017/04/19"/>
Dean of Graduate Studies:	<input type="text" value="Amanda C. Bryant-Friedrich"/>	 Date	<input type="text" value="2017/05/01"/>
Office of the Provost :	<input type="text"/>	 Date	<input type="text"/>

Administrative Use Only

Effective Date:  (YYYY/MM/DD)

CIP Code:

Subsidy Taxonomy:

Program Code:

Instructional Level:

Registrar's Office Use Only

Processed in Banner on: 

Processed in Banner by:

Banner Subject Code:

Banner Course Number:

Banner Term Code:

Banner Course Title:



Advanced Geology Field Studies

The University of Toledo

Dept. of Environmental Sciences

EEES-5650-001

Instructor: tba

Office Hours: tba

Class Location: tba

COURSE/CATALOG DESCRIPTION Advanced field studies to various areas of geologic interest. Studies may involve various geologic field methods and descriptive techniques. Course may be repeated multiple times. Prerequisite: consent of instructor. Fall and Spring

COURSE OVERVIEW

Geology has an inherent field component in the discipline. Many concepts are best understood in field settings, in an environment that allows varied observations that illustrate concepts integrated across the discipline. This course consists of an extended field trip with generally 7-12 days at field sites of geologic interest. Sites visited will vary from semester to semester, as will specific field activities included in course. Such activities may include stratigraphic description and measurement; interpretation of geologic structure and depositional environments; mineral, rock, and fossil identification and collection; and geologic mapping. Class will also meet in approximately seven 1 hour

classroom sessions before or after trip to prepare logistics and background knowledge and/or summarize activities.

STUDENT LEARNING OUTCOMES

- Identify, classify, and understand the origin and development of earth materials including fossils, minerals, igneous, sedimentary, and metamorphic rocks.
- Integrate field observations with classroom learning.
- Comprehend the nature of Earth systems.
- Apply certain reasoning skills, field observations, and scientific inquiry as a means of studying geologic materials, processes, and concepts.
- Understand surficial processes of weathering and erosion and the development of landforms and landscapes related to hydrologic, glacial, atmospheric, and oceanic systems.
- Utilize topographic and geologic maps to interpret landscape evolution and geologic history.
- Describe modes of internal deformation and geologic structure development.
- Possess a knowledge of plate tectonics and the evolution of Earth's surface through time and its relation to world-wide volcanic and seismic activity.
- Comprehend the rationale of geologic time and the ordering of Earth events and materials through geologic observations of materials, structures, and landforms.
- Become familiar with the various entities of the National Park Service, state, county, and local park systems.

TEACHING STRATEGIES

Participants will make detailed observations, measurements, and collections of actual geologic materials and landforms and relate them to provided geologic maps and stratigraphic columns. Participants are expected to study in detail specific geologic materials, formations, landforms, processes, and/or structures and share this knowledge with the group in the field. Where possible park rangers or other well-versed individuals may assist in presenting lectures or leading the group to various locations.

PREREQUISITES AND COREQUISITES

Permission of Instructor

REQUIRED TEXTS AND ANCILLARY MATERIALS

Variable depending on trip but usually including a provided field guide, completed field trip information/insurance papers, and field trip fee.

TECHNOLOGY REQUIREMENTS

None

UNIVERSITY POLICIES *Policy Statement on Non-Discrimination on the basis of Disability (ADA) 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.](#))*

Statement on Academic Dishonesty

A student found to be academically dishonest by a faculty member may appeal, in order, to the department Chair, the Dean, the college appeals committee and the University student grievance council. The procedures for making an appeal to the student grievance council may be found in The University of Toledo Student Handbook:

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

Criteria governing this policy are detailed in undergraduate policy 3364-71-04: Academic Dishonesty

<http://www.utoledo.edu/policies/academic/undergraduate/pdfs/3364-71-04%20%20Academic%20dishonesty.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

As indicated on The University of Toledo Dept. of Environmental Sciences Colorado-Utah Geology Field Trip Waiver and Release Form D

COURSE EXPECTATIONS

It is assumed all participants will act as good ambassadors of the University of Toledo and the Dept. of Environmental Sciences while on this trip. All participants will follow rules as posted or announced at all places visited on the trip. Graduate students are expected to share and demonstrate their geological knowledge and skills with undergraduate participants.

GRADING

Grades will be determined from participation, field presentations, and/or completion of a field notebook including sketches, detailed descriptions of all stops, personal observations along the routes, notes on collected materials, any assigned field exercises, etc. The field notebook is due by the end of the semester. Participants are encouraged to complete it shortly after their return. Waiting until later in the term may make it harder to recall specific observations and happenings.

Midterm Grading

Not applicable

Final Grading

Standard A-F scale with +/-divisions will be used

COMMUNICATION GUIDELINES

Not applicable

STUDENT SUPPORT SERVICES

Please consult any of the agencies below for furthering your success at UT.

Student Support Services

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

COURSE SCHEDULE

See Field Guide
