

Term Information

Effective Term Spring 2018
[Previous Value](#) [Summer 2012](#)

Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)

Change from variable credits, 1-2 hours to variable credits, 1-3 hours

What is the rationale for the proposed change(s)?

The instructor who will lead this seminar next semester would like to have a weekly 2.5-3 hour discussion and require the students to do ~5 hours of outside preparation each week. This is more consistent with 3 credit hours than 2 credit hours.

What are the programmatic implications of the proposed change(s)?

(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?

None

Is approval of the request contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

General Information

Course Bulletin Listing/Subject Area	Earth Sciences
Fiscal Unit/Academic Org	School of Earth Sciences - D0656
College/Academic Group	Arts and Sciences
Level/Career	Graduate
Course Number/Catalog	8850
Course Title	Seminar in Glaciology and Geomorphology
Transcript Abbreviation	Sem Glaci Geomorph
Course Description	Selected topics in glaciology, glacial history, and geomorphology.
Semester Credit Hours/Units	Variable: Min 1 Max 3
Previous Value	Variable: Min 1 Max 2

Offering Information

Length Of Course	14 Week, 12 Week, 8 Week, 7 Week, 6 Week
Flexibly Scheduled Course	Sometimes
Does any section of this course have a distance education component?	No
Grading Basis	Letter Grade
Repeatable	Yes
Allow Multiple Enrollments in Term	Yes
Max Credit Hours/Units Allowed	12
Max Completions Allowed	12
Course Components	Seminar
Grade Roster Component	Seminar
Credit Available by Exam	No
Admission Condition Course	No
Off Campus	Never
Campus of Offering	Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites	Prereq: Permission of instructor.
Exclusions	
Electronically Enforced	No

Cross-Listings

Cross-Listings

Subject/CIP Code

Subject/CIP Code	40.0699
Subsidy Level	Doctoral Course
Intended Rank	Masters, Doctoral

Requirement/Elective Designation

The course is an elective (for this or other units) or is a service course for other units

Course Details

Course goals or learning objectives/outcomes	• See syllabus for details; scientific basis for prediction of climate change, oral communication skills, reading and discussing the nature of scientific debate with regards to prediction.
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[Previous Value](#)

Content Topic List	• Topics vary by offering and by agreement of instructor and students
	• Topics include any subject in the areas of glaciology and geomorphology
Sought Concurrence	No

Attachments

- ES8850_SP17_Syllabus_wrp.pdf: Spring 2018 Syllabus
(Syllabus. Owner: Panero,Wendy R)

Comments

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Panero,Wendy R	09/29/2017 10:23 AM	Submitted for Approval
Approved	Panero,Wendy R	09/29/2017 10:36 AM	Unit Approval
Approved	Haddad,Deborah Moore	09/29/2017 11:10 AM	College Approval
Pending Approval	Nolen,Dawn Vankeerbergen,Bernadette Chantal Oldroyd,Shelby Quinn Hanlin,Deborah Kay Jenkins,Mary Ellen Bigler	09/29/2017 11:10 AM	ASCCAO Approval

Earth Sciences 8850: Seminar in Glaciology and Geomorphology

Predicting the Anthropocene (Spring, 2018)

Log on to carmen.osu.edu for course material and announcements.

Instructor: Prof. Ian Howat

Office: 379 Mendenhall, Phone: 292-8944

Email: howat.4@osu.edu

Office Hours: By appointment

Course Meeting Time and Place:

Mo 1:50PM - 4:50PM, Mendenhall 251

Format of Instruction: Reading and Guided discussion, 3 Credit Hours per week

Course Description: In 2016, a working group of the International Geological Congress recommended the establishment of a new epoch defined by the prevalence of human forcing on the Earth system: the Anthropocene. This seminar will take a broad look at our role as a global geologic agent, shaping the land, atmosphere, oceans and life, to address the question: How will the Earth system evolve over the coming 100 to 10,000 years? We will be particularly interested in processes that may lead to tipping points, bringing the Earth system abruptly from one state to another. The seminar will include readings, discussions and presentations on specific topics guided by student interest.

Texts: Weekly science article readings will be selected by students with instructor guidance. These will be made available via Carmen.

Workload: In addition to three hours per week of meeting time, an additional five hours per week for formulation of science questions within the course theme, literature search, reading papers and preparation for presentation and discussion of material.

Grading: *(All grades use the standard OSU scheme)*

Class attendance	25%
Active participation in discussions (commenting and asking questions)	25%
Presentations (2-3, depending on enrollment)	50%

Grading Scale (OSU Standard Grade Scheme):

A (93 - 100), A- (90 - 92.9), B+ (87 - 89.9), B (83 - 86.9), B- (80 - 82.9), C+ (77 - 79.9), C (73 - 76.9), C- (70 - 72.9), D+ (67 - 69.9), D (60 - 66.9), E (< 60)

Course Outline and Expectations:

Students will develop science questions within the course theme. They will then perform a literature review, choosing 1-2 key paper(s) to assign the rest of class. They will present their literature review of their chosen science question to the class, which will be followed by group discussion.

Presentations should include (1) a statement of the science question and its rationale, (2) a review of studies aimed at addressing this question, including their methodology, results and uncertainty, and (3) a concluding summary with a statement of the current state of knowledge, including remaining gaps. The presenter will then guide a class discussion of the topic.

Presenters will be assigned on a rotating basis, depending on enrollment, with ~3 presentations per meeting time.

OSU Statement on Academic Misconduct

"It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>."

OSU Statement on Disability Services

"Students with disabilities (including mental health, chronic or temporary medical conditions) that have been certified by the Office of Student Life Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office of Student Life Disability Services is located in 098 Baker Hall, 113 W. 12th Avenue; telephone 614- 292-3307, slds@osu.edu; slds.osu.edu."

OSU Statement on sexual misconduct/relationship violence:

"Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at titleix@osu.edu"

OSU Statement on diversity:

"The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide

opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.”