

Geography/Geoscience 524 Advanced Landform Geography

Quaternary Geology and Geomorphology of the Midwest
Fall 2011

Instructor: Henry Loope

Office: 460 Science Hall

E-mail: loope@wisc.edu

Office Phone: (608) 262-5686

Office Hours: Tuesday, 2 – 3 pm, Wednesday 2 – 3 pm, and by appointment

Docs at Learn@UW

SCHEDULE

Week	Topic (subject to revision)	
(1) Sept. 7	Introduction, Physiography	
(2) Sept. 14	Methodology, Glacial geomorphology	
(3) Sept. 21	Glacial geology and geomorphology	
(4) Sept. 28	Periglacial geomorphology	<i>Assignment 1 Due</i>
(5) Oct. 5	GSA – No class	
(6) Oct. 12	Fluvial geomorphology	
(7) Oct. 19	Eolian geomorphology	<i>Assignment 2 Due</i>
(8) Oct. 26	Quaternary soils	<i>Paper outline due</i>
(9) Nov. 2	Quaternary History of Great Lakes I	<i>Assignment 3 Due</i>
(10) Nov. 9	Quaternary History of Great Lakes II	
(11) Nov. 16	Quaternary Climate I	<i>Assignment 4 Due</i>
(12) Nov. 23	Quaternary Climate II	
(13) Nov. 30	Quaternary Vegetation History	<i>Assignment 5 Due</i>
(14) Dec. 7	Presentations	
(15) Dec. 14	Presentations	<i>Paper due</i>

COURSE OBJECTIVES

Provide an overview of the major geomorphic features (landforms, sediments) and geologic events responsible for the landscape of the Upper Midwest. I hope to engage you with information from the primary scientific literature and to expose you to a wide range of topics and methodologies that are useful in interpreting the landscape. The goal of the research paper and presentation are to improve your ability to synthesize (and summarize) scientific information / data.

GRADING

Five Written Assignments	20 pts each	100 pts
Research Paper (15 pgs.)		45 pts
Presentation (10 - 15 min.)		25 pts
<u>Total</u>		170 pts

Written assignments will consist of 5 questions (4 of which you need to answer) on topics covered in lecture and assigned readings in which you will write a ~1 page answer per question. Starting Week 4, you will have an assignment due generally every other week. I will post example questions (with answers) on Learn@UW and useful guides to help you synthesizing down the information.

The research paper will be a 15 page (double spaced, 1" margins) paper on a topic of your choice. Halfway through the semester (October 26th), an outline of your paper will be due (worth 5 pts out of 45 pts total). I will provide example topics / outlines for research papers as the semester goes on.