



**Part II. Description of Curricular Change**

**1. SYLLABUS OF RECORD**

**I. Catalog Description**

**GEOS 354 Geomorphology**

(3c-3l-4cr)

**Prerequisite:** Grade of C or better in GEOS 202 and 203

Study of the origin of the Earth's landforms, including relationship of geologic structure to landform types and the role of geomorphic processes in landscape development.

**II. Course Objectives**

1. Students will describe how the Earth's landforms are related to fundamental geological processes.

G. Hillslope and Tectonic Geomorphology

(6 hours)

Impact of tectonic uplift and steepening. Mass movement and related landforms.

H. Eolian processes

(3 hours)

**VII. Required Textbook**

Ritter, D.F., Kochel, R..C. and Miller, J.R., Process Gcomorphology, Waveland Press, 2011.

Supplemental readings for discussion will be assigned from geologic journals and news

Geomorphology is currently taught in a 2c-3l-3cr format. Material is presented in both lecture

better student learning outcomes primarily for department SLO goals II, III and IV (plate

courses to be taken, and in these categories, most of the courses already carry four credits. Because of this, we have adjusted the overall program requirements so that the total major credits have actually decreased from 59 to 58 and free electives have therefore increased from 15 to 16. These changes were made to reduce curriculum 'bottle-necks,' shorten time to degree, and allow

**Geomorphology**

Instructor: Katie Farnsworth

MW 11:15 - 12:05 pm in Walsh 104, Lab 2:30 – 5:15pm  
Walsh 108

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Office Hours: M 1-3pm, T 8:30-10am, F 10-11:30

**Schedules:** This schedule may change throughout the semester; I will let you know if and when this happens.

Lab Schedule

- 31.Aug Map Review
- 07.Sep Intro to ArcGIS
- 14.Sep Landscape Ages
- 21.Sep Streams and Rivers
- 28.Sep Field Lab - Streams
- 05.Oct Streams - Backup Field date
- 12.Oct Finish up Stream Project
- 19.Oct EXAM #1 : includes both lecture and lab material
- Oct 22 and 23 : Weekend Fieldtrip to Lake Erie
- 26.Oct No Lab - Due to Weekend Fieldtrip
- 02.Nov Pennsylvania Glacial Landforms
- 09.Nov Mass Wasting
- 16.Nov Structural Landforms
- 30.Nov Human Interactions
- 07.Dec Case Study: California Coastline

Lecture Schedule		
Date	Topic	Deadline