



Geography 323 –001 Geomorphology*

Textbook: Bierman, P.R. and D.R. Montgomery (2014) Key Concepts in Geomorphology, W.H. Freeman and Company Publishers New York, 494p.

Grading: The grading scheme (i.e. kinds and weights of assignments, essays, exams, etc.) will be announced, and be available in writing, within the first two weeks of class.

Course Description:

Geomorphology is one approach to understanding the history, processes, and features found at the surface of the earth. Geomorphology attempts to explain the origin of all of the earth's landforms, such as mountains, lakes, river, coasts, etc. This course explores the link between process, landform and deposit and tries to quantify the types and rates of processes, which create and modify landforms, as well as documenting the history of environmental change and its effects on the earth's surface.

All exam questions will be drawn from lecture and lab material and supplemented by the suggested readings.

Tentative Schedule:

Week	Topic	Chapter
1.	Introduction & Methods and Techniques	1 and 2
2.	Weathering and associated Landforms, Soils	3
3.	Geomorphology and Climate	13
4.	Hydrology	4
5.	Hillslopes	5
6.	Drainage Basins	7
7.	Fluvial Processes and Landforms	6,7
8.	Eolian Geomorphology	10
9.	Glacial Geomorphology	9
10.	Periglacial Geomorphology	9
11.	Coastal and Submarine Geomorphology	8
12.	Landscape Evolution	12, 13, 14
13	Student presentations	

* This is not an official course outline. The course outline will be distributed within the first week of class.

