

## Geography 201: Landform Geography

### LECTURE SCHEDULE, Fall, 2017

*Instructor:* Dr. Allan James  
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*Lectures:* T-Th 10:05-11:20  
Rm 201, Callcott Building

<u>[Week]</u>	<u>Date</u>	<u>Topic</u>	<u>Text.Chapter<sup>1</sup></u>
<b>PHYSICAL GEOGRAPHY, SCIENCE and MAPS</b>			
[1]	Aug24	Introduction; Course Mechanics; Size & Shape of Earth; Google Earth	-----
[2]	29	Metric System; Earth Grids; Maps	Appndx <sup>2</sup> ; PC.1/EB.1; PC.2/EB.2; Sup.*
	31	Maps (cont.); Remote Sensing; Air photos	PC.2/EB.2; Sup.
[3]	Sep5	Global Positioning Systems (GPS); Geographic Information Systems (GIS); Scientific methods	PC.2/EB.2; Sup.
<b>SOILS</b>			
	7	Weathering of Earth materials; Microscopy; Soil and Regolith; Soil-Forming Factors	PC.3/EB.15 PC.4/EB.12; Sup.
[4]	12	Soil Components; Soil Properties; Soil Chemistry; Profiles; Pedogenic Regimes	PC.4/EB.12; Sup.
	14	Soil Classification: 12 Soil Orders	PC.4/EB.12
[5]	19	Global soil distribution; review for midterm exam	-----
	21	📌 <b>First Midterm Exam</b> 📌	-----
<b>GEOLOGY</b>			
[6]	26	Mineralogy & Petrology	PC.5/EB.13; Sup.; Lab Manual
	28	Earth's interior; Geologic Time; Stratigraphy; Structures: Folding; Faulting	-----
[7]	Oct.3	Earthquakes; Volcanism and associated landforms	PC.6/EB.14; Sup.
	5	Tectonics: Isostasy; Continental Drift; Plate Tectonics	PC.6/EB.14; Sup.
<b>HYDROLOGY</b>			
[8]	10	Hydrosphere; Hydrologic Cycle; Surface Water; Groundwater	PC.9/EB.9; Sup.
<b>RIVER LANDFORMS &amp; PROCESSES</b>			
	12	Fluvial Landforms; Stream Systems; Channel Networks	PC.10/EB.16; Sup.
[9]	17	Fluvial erosion & deposition; Channels; Valleys; Deltas; Floodplains & Terraces; Landform theories	-----
	19	<b>Fall Break</b> (no class)	-----

# Landform Geography LECTURE SCHEDULE (continued)

<u>[Week]</u>	<u>Date</u>	<u>Topic</u>	<u>Text. Chapter</u>
<b>WIND &amp; ARID LANDFORMS &amp; PROCESSES</b>			
[10]	24	Guest lecture (Peter Tereszkiwicz): Arid environments; Desert surfaces & landforms; Wind Processes & Landforms	PC.7/EB.18; Sup.
	26	<b>Second Midterm exam</b>	-----
<b>COASTAL LANDFORMS &amp; PROCESSES</b>			
[11]	31	Guest lecture (Peter Tereszkiwicz): Oceans, Tides, Waves, and Sea Level; Coastal Processes and Landforms (sediment deposition features)	PC.9/EB.9; PC.11/EB.20; Sup.
	Nov2	Coastal processes and landforms (continued): Erosion; Coastline types; Coral reefs; Salt marshes	-----
[12]	7	Guest lecture (Tyler Dearman): Mass Wasting; Karst Processes and Landforms;	PC.3, pp.72-80/EB.15; PC.8/EB.17
	9	Guest lecture (Tyler Dearman): Periglacial Processes & Landforms	PC.9,pp.259-260/EB.9; Sup.
<b>GLACIOLOGY &amp; GLACIAL LANDFORMS</b>			
[13]	14	Guest lecture (Tyler Dearman): Glaciology: Glacial Types, and Glacial Processes	PC.12/EB.19; Sup.
	16	Guest lecture (Tyler Dearman): Landforms due to Glacial Deposition	-----
<b>QUATERNARY ENVIRONMENTAL CHANGE</b>			
[14]	21	Landforms due to Glacial Erosion	-----
	23	<b>Thanksgiving</b> , no classes	-----
[15]	28	Quaternary History: Evidence of Climate/Env. Changes	PC.12/EB.19; Sup.
	30	Quaternary History: Causes of environmental changes; Human impacts	PC.13(pp.409+)/EB.8 (pp.220+) Sup.
[16]	Dec 5	Quaternary History: Character of environmental changes	-----
	7	Course review and wrap-up	-----
 <b>Final Exam</b> Thursday, Dec. 12, 9:00 a.m., Rm. 201 Callcott Building			
*Sup. = Supplement			

<sup>1</sup> In order to save you money, two different versions of the McKnight textbook can be used for this course: (1) Pearson Custom Library (**PC**) paperback textbook with selected chapters, or (2) digital or hardbound copies version of the entire book (**EB**) by internet access or purchase. Chapter numbers differ between the versions, so readings listed here refer to the Pearson Custom version (PC.n) and the digital version (EB.n). For example, “PC.4/EB.12” refers to Chapter 4 in the PC version or Chapter 12 in the entire book.

<sup>2</sup>Appendix. The metric tables are in the front of the PC version and in Appendix I in back of the EB digital version.