

Geo 454 Class Schedule 2002

Day	Date	Topic				Reading
Mon	1/14/02	Preliminaries, Course Content, General Approach, Topics				
Wed	1/16/02	Rocks and their engineering characteristics I & Darcy's Law				Rahn, Ch.3
Fri	1/18/02	Rocks and their engineering characteristics II				Rahn, Ch.3
Mon	1/21/02	*Holiday				
Wed	1/23/02	Rock structure & discontinuities in rock				Rahn, Ch.4.9,4.10
Fri	1/25/02	Quaternary deposits and their engineering characteristics				Rahn, Ch.3
Mon	1/28/02	Soils (from a geologist's view) and their engineering characteristics				Rahn, Ch.3
Wed	1/30/02	Earthquakes: Case histories				Rahn, Ch.11
Fri	2/1/02	Earthquakes: Case histories				Rahn, Ch.11
Mon	2/4/02	Seismic hazard recognition & characterization: Surface faulting				Rahn, Ch.11
Wed	2/6/02	Seismic hazard characterization: Magnitude & intensity				Rahn, Ch.11
Fri	2/8/02	Stress transformations				Rahn, Ch. 4.6
Mon	2/11/02	Stress transformations				Rahn, Ch. 4.6
Wed	2/13/02	Characterizing seismic sources				Rahn, Ch.11
Fri	2/15/02	Seismic hazard characterization: Shaking & Liquefaction				Rahn, Ch.11
Mon	2/18/02	*Holiday				
Wed	2/20/02	Seismic hazard characterization: Predicting ground response				Rahn, Ch.11
Fri	2/22/02	Seismic hazard characterization: Response of structures				Rahn, Ch.11
Mon	2/25/02	Paleoseismology: site selection				Rahn, Ch.11
Wed	2/27/02	Paleoseismology: quantitative analysis				Rahn, Ch.11
Fri	3/1/02	Engineering geology factors associated with dams				
Mon	3/4/02	Landslides: Case histories				Rahn, Ch. 6
Wed	3/6/02	Case histories of landslides: debris flows				Rahn, Ch. 6
Fri	3/8/02	Landslide recognition & classification				Rahn, Ch. 6
Mon	3/11/02	Landslide recognition				Rahn, Ch. 6
Wed	3/13/02	Landslide mechanics (Effective stress)				Rahn, Ch. 6
Fri	3/15/02	Landslide mechanics (Limit equilibrium analysis)				Rahn, Ch. 6
Mon	3/18/02	Landslide characterization				Rahn, Ch. 6
Wed	3/20/02	Coastal Processes: Case histories				Rahn, Ch. 10
Fri	3/22/02	Wave mechanics: The wave equation				Rahn, Ch. 10
Mon	3/25/02	Recess				
Wed	3/27/02	Recess				
Fri	3/29/02	Recess				
Mon	4/1/02	Wave mechanics: Refraction				Rahn, Ch. 10
Wed	4/3/02	Wave mechanics: Reflection and diffraction				Rahn, Ch. 10
Fri	4/5/02	Effects of waves on coasts				Rahn, Ch. 10
Mon	4/8/02	Effects of waves on coasts				Rahn, Ch. 10
Wed	4/10/02	Dams: Case histories				
Fri	4/12/02	Dams				
Mon	4/15/02	Fluid withdrawal & land subsidence hazards: characterization				Rahn, Ch. 7,9
Wed	4/17/02	Fluid withdrawal and land subsidence: Case histories				Rahn, Ch. 7,9
Fri	4/19/02	Consolidation: Subsidence Mechanics				Rahn, Ch. 7,9
Mon	4/22/02	Consolidation: Subsidence Mechanics				Rahn, Ch. 7,9
Wed	4/24/02	Consolidation: Subsidence Mechanics				Rahn, Ch. 7,9
Fri	4/26/02	Holiday				
Mon	4/29/02	Consolidation: Subsidence Mechanics				Rahn, Ch. 7,9
Wed	5/1/02	Consolidation: Subsidence Mechanics				Rahn, Ch. 7,9
Fri	5/3/02	Consolidation: Subsidence Mechanics				Rahn, Ch. 7,9
Mon	5/6/02	Open				
Wed	5/8/02	Open				
Fri	5/10/02					
Mon	5/13/02					
Wed	5/15/02					
Fri	5/17/02	Projects due at 2:00				

Geo 454 Class Schedule 2002

Assignment Schedule							
Day	Date	Topic					
Mon	1/21/02	Holiday					
Mon	1/28/02						
Mon	2/4/02						
Mon	2/11/02						
Fri	2/15/02						
Mon	2/18/02	Holiday					
Mon	2/25/02	Earthquake mechanics homework due					
Mon	3/4/02						
Mon	3/11/02	Class project I due					
Mon	3/18/02	Landslide homework due					
Mon	3/25/02	Spring Recess					
Mon	4/1/02						
Mon	4/8/02						
Mon	4/15/02	Class project II due					
Mon	4/22/02						
Mon	4/29/02	Homework 3 due					
Mon	5/6/02						
Mon	5/13/02	Class project III due?					
Fri	5/17/02	Projects due at 2:00					