

Week	Date	Lecture Topic	Reading: Fetter
1	8/27	Introduction, Groundwater sustainability	
	8/29	Water cycle and balance, porosity, densities, grain size, specific yield	2.1-2.6, 3.1-3.3
2	9/3	Porosity, densities, grain size, specific yield	3.1-3.3
	9/5	Hydraulic conductivity, Darcy's law, Flow rates	3.4-3.5, 4.6
3	9/10	Homogeneity and isotropy, Aquifers and aquifer types	3.6-3.9, 3.11
	9/12	Transmissivity, Storage, Hydraulic head	3.9, 3.12, 4.3, 4.5
4	9/17	Hydraulic gradients, potentiometric surfaces, flow nets	4.1-4.6, 4.9-4.12
	9/19	Groundwater flow equations, 1-D and 2-D groundwater equations	4.7, 4.13, 4.14
5	9/24	Groundwater modeling	13.1-13.4
	9/26	Well hydraulics	5.1-5.3
6	10/1	Midterm review	
	10/3	<b>Midterm 1</b>	
7	10/8	Well hydraulics, Superposition: boundaries, multiple wells	5.4
	10/10	Aquifer testing	5.5, 5.6
8	10/15	Groundwater supplies and wells	
	10/17	Unsaturated zone	6.1-6.7
9	10/22	Baseflow, Infiltration	6.7, 2.8, 2.9, 2.12
	10/24	Coastal aquifers	8.8, 4.4
10	10/29	Groundwater chemistry	9.1-9.8
	10/31	Groundwater chemistry, midterm review	9.1-9.8
11	11/5	<b>Midterm 2</b>	
	11/7	Contaminant transport	10.1-10.3, 10.6-10.7
12	11/12	Contaminant transport	10.1-10.3, 10.6-10.7
	11/14	Contaminant transport	10.8-10.10
13	11/19	Groundwater remediation	
	11/21	No class: Thanksgiving Break	
14	11/26	Regional groundwater: Lost Valley	
	11/28	Regional groundwater: Mono Lake	
15	12/3	Regional groundwater: Groundwater game	
	12/5	Final exam review	
<b>Final Exam</b>			