

DATE	TOPIC READING	Schwartz--Chap./Pages (Fetter)
Week 1	Organization, Hydrologic Cycle Hydrologic Processes	1/1-12 (1/1-22) (2/24-60)
Week 2	Porosity and Permeability Darcy's Experiment Hydraulic Head & Darcy's Law <i>Assignment #1: Hydraulic Head</i>	2/13-32 (3/60-81) 3/33-42 (3/81-109) 3/34-57 (4/113-122)
Week 3	Main Equations of Flow Flow Nets, <i>Assignment #2: Flow Nets</i>	4/58-67 (4/125-132) 4/68-74 (4/132-147)
Week 4	Hydraulic Testing: Theis Equation Hydraulic Testing: Leaky Aquifers <i>Assignment #3: Use of the Theis Equation</i>	6/103-135(5/150-156) 6/103-135(5/156-164)
Week 5	Review for 1 st mid-term exam 1ST MID-TERM EXAM	
Week 6	Hydraulic Testing: Water Table Aquifers Determining Aquifer Parameters <i>Assignment #4: Theis Type-Curve Matching</i>	6/103-135(5/164-165) 6/103-135(5/165-190)
Week 7	Slug Tests Bounded Aquifers	6/103-135(5/190-205) 6/103-135(5/208-215)
Week 8	Soil Moisture and Ground Water Recharge Ground Water in Basin Hydrologic Cycle <i>Assignment #5: Leaky-Confining Aquifers</i>	(6/219-235) 5/75-102 (7/236-279)
Week 9	Aqueous Geochemistry Chemical Reactions	11/238-254(9/346-383) 12/255-281(9/346-383)
Week 10	Mathematics of Mass Transport, Mass Transport in Ground Water Flow <i>Assignment #6: Unconfined Aquifer Tests</i>	10/215-238(10/385-410) 14/296-302(10/385-410) 16/326-343
Week 11	Contaminant Hydrogeology Review for Second Mid-Term Exam	17/344-371
Week 12	<i>Assignment #7: Ground Water Chemistry</i> 2nd MID-TERM EXAM Solute and Particle Transport	
Week 13	Modeling Contaminant Transport Remediation <i>Assignment #8: Contaminant Transport</i>	18/372-392 20/417-442
Week 14	Distributed Hydrologic Modeling Model Calibration and Prediction	Notes from Yu Notes from Yu
Week 15	Other Hydrogeological Topics Review for Final Exam FINAL EXAM	Papers