

GEGN 466 Ground Water Engineering inside.mines.edu/~epoeter/466			Professor Eileen Poeter Office Hours: Mon and Wed 10-10:45 and by appointment for exceptions, check inside.mines.edu/~epoeter/OfficeHours.htm and by appointment BH121B epoeter @ mines.edu 303-273-3829 fax 303 384 2037	Applied Hydrogeology 4th edition by Fetter
Month	Day	Mon/Wed	TOPIC MAY CHANGE WATCH FOR UPDATES	Reading
AUG	25	W	Introduction / Units / Water Cycle	U
AUG	30	M	Water Budget 1	Chpt 2
SEP	1	W	Water Budget 2	"
SEP	6	M (LD)	Water Budget 3	"
SEP	8	W	Porosity / Capillarity / Head	3.1-3.3, 6.1-6.3
SEP	13	M	Head / K / Darcy's Law	3.4-3.12 4.1-4.6
SEP	15	W	Head / K / Darcy's Law continued	"
SEP	20	M	Head / K / Darcy's Law continued	"
SEP	22	W	Heterogeneity	
SEP	27	M	Storage / Flow Equations	4.7-4.10 4.13-4.14
SEP	29	W	Flow Nets	4.11-4.12, Chpt 7
OCT	4	M	Flow Nets / Flow Visualization	
OCT	6	W	Well Hydraulics 1 - Predict Head Steady & Transient	Chpt 5
OCT	11	M	Well Hydraulics 2 - Estimate Transmissivity and Storage	"
OCT	13	W	EXAM I (Material up to and including Mon Oct 4)	
OCT	18	M	NO CLASSES AT CSM - Fall Break	
OCT	20	W	Discuss Exam and Well Hydraulics 3 - Leaky / Unconfined	"
OCT	25	M	Well Hydraulics 4 - Superposition / Specific Capacity	"
OCT	27	W	Well Hydraulics 5 - Slug Testing	"
NOV	1	M	Water Chemistry 1 - Fundamentals and pH	Chpt 9
NOV	3	W	Water Chemistry 2 - Sampling and Presentation	"
NOV	8	M	Water Chemistry 3 - Equilibrium, Solubility, Saturation Index, Alkalinity	"
NOV	10	W	Water Chemistry 4 - Using Water Chemistry to Interpret GW Systems	"
NOV	15	M	Water Chemistry 5 - Water Quality	"
NOV	17	W	Contaminant Transport	Chpt 10
NOV	22	M	EXAM II (Material up to and including Mon Nov 15)	"
NOV	24	W (TG)	NO CLASSES AT CSM - Thanksgiving Break	
NOV	29	M	Discuss Exam and Contaminant Transport continued	"
DEC	1	W	Ground Water Management / Remediation	Chpt 11 & 13
DEC	6	M	Ground Water Modeling	"
DEC	8	W	"Closing/Catch-Up" and as time allows work on modeling in class	
DEC	TBA	TBA	Final EXAM time TBA	