



	Spring 2018 PTE 517			
	Dr. Ershaghi ershaghi@usc.edu Cell: 310 991 -1337			
	PTE-517 Testing of Wells and Aquifers			
	2:00-4:40 PM Thursdays			
	Topic			
11-Jan	Introduction to well testing/flow equation in various geometries			
18-Jan	Solutions in radial, linear systems, diagnostic methods			
25-Jan	Superposition in space and in time/Multiple Rate Tests			
1-Feb	Pressure build up and pressure drawdown			
8-Feb	Layered; composite; faulted reservoirs			
15-Feb	First Exam			
22-Feb	Gas well testing/ Isochronal tests			
1-Mar	Naturally Fractured Reservoirs			
8-Mar	Hydraulically Fractured Wells			
15-Mar	Spring recess			
22-Mar	Horizontal Wells/Tight sands/Coalbed Methane			
29-Mar	2nd Exam			
5-Apr	Interference and Pulse Tests			
12-Apr	Injection Well Testing/DST/Pumping wells			
19-Apr	Computer Aided Analysis/Use of artificial intelligence/Testing of aquifers			
26-Apr	Project Presentation			
3 May	Final 2-4 PM			
	Grading HW 15% ; Exam 1 25% Exam 2 25% Final 25 % Project 10 %			
	Reference Books and papers TBD			