

## Spring 2020 PTE 517

Dr. Ershaghi ershaghi@usc.edu

2-4:40 Thursdays

### Testing of wells and Aquifers

Date	Topic
16-Jan	Introduction to the Westing Concepts
23-Jan	Solution to the Diffusivity Equation
30-Jan	Superposition in Time and Space
6-Feb	Pressure Buildup, Drawdown and Formation Damage
13-Feb	Layered Composite and Faulted Reservoirs
20-Feb	<b>First Exam</b>
27-Feb	Gas Well Testing/Isochronal Tests
5-Mar	Naturally Fractured Reservoirs
12-Mar	Hydraulically Fractured Wells
19-Mar	<b>Spring Recess</b>
26-Mar	Horizontal Wells/Tight Sands/Unconventional Reservoirs
2-Apr	<b>Second Mid Term</b>
9-Apr	Interference and Pulse Tests/Ground Water Pressure Testing
16-Apr	Injection Well Testing/DST/Pumping Wells
23-Apr	Convolution/ Deconvolution/Computer Aided Methods/ Use of Artificial Intelligence
30-Apr	Projects Presentation
7-May	<b>Final Exam 2-4 PM</b>

Grading HW 20% Exams 25% each Project 5 %

Reading materials including book chapters will be assigned.as supplemental references



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