

	<b>The Mork Family of Chemical Eng. and Materials Science</b>
	<b>Peroleum Engineering Program</b>
	<b>University of Southern California</b>
	<b>Fall 2018 3:30-6:10 PM Mondays</b>
<b>PTE 503</b>	<b>Dr. I. Ershaghi ershaghi@usc.edu</b>
<b>20-Aug</b>	<b>Unconventional Plays; Classification; Production; Kerogen; Sweet Spots</b>
<b>27-Aug</b>	<b>Completion and Stimulation, Brittleness, Geomechanical Issues</b>
<b>3-Sep</b>	<b>Labor Day Holiday</b>
<b>10-Sep</b>	<b>Geological Aspects; Microseismic imaging, Estimation of Stimulated Volume</b>
<b>17-Sep</b>	<b>Exploration, Geochemical Aspects, Rock Eval</b>
<b>24-Sep</b>	<b>Conceptualizing Tight Rocks; Fluid flow Aspects</b>
<b>1-Oct</b>	<b>Mid Term</b>
<b>8-Oct</b>	<b>Rock Physics, TOC Estimation</b>
<b>15-Oct</b>	<b>Well Drilling and Well Completion in shale plays</b>
<b>22-Oct</b>	<b>Laboratory Testing Methods; core analysis, petrophysics and geochemistry</b>
<b>29-Oct</b>	<b>Hydraulic Fracturing Technology-Process, Models and Design</b>
<b>5-Nov</b>	<b>Reservoir Engineering aspects-Production and Tracer testing</b>
<b>12-Nov</b>	<b>Production Data Analysis - Shale Gas, Tight Gas and Coal-Bed Methane</b>
<b>19-Nov</b>	<b>Case Studies, Shale plays, Coalbeds, Tar Sands. Methnae Hydrates</b>
<b>26-Nov</b>	<b>Workshop</b>
<b>3-Dec</b>	<b>Projects Due</b>
	<b>Final Exam 2-4 PM</b>
<b>Dec. 10</b>	<b>Grading</b>
	<b>Homework 20% Midterm 35% Final 35% Project 10%</b>
	<b>review: <a href="http://viterbi.usc.edu/academics/integrity/students/">http://viterbi.usc.edu/academics/integrity/students/</a></b>