

<b>PTE 502</b>	<b>Advanced Reservoir Characterization</b>
	<b>Fall Semester 2013</b>
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30-Aug	<b>Introduction-Uncertainty in Reservoir Description/geomodeling</b>
6-Sep	<b>Depositional environments/Sequence Stratigraphy</b>
13-Sep	<b>Depositional Models/ Facies Interpretation/Facies and Lithology</b>
20-Sep	<b>Review of Petrophysics</b>
27-Sep	<b>Flow units/Reservoir rock properties/Structural control on Heterogeneity</b>
4-Oct	<b>Seismic data processing and imaging</b>
11-Oct	<b>Review of Basin Modeling</b>
18-Oct	<b>Data and interpretation for dynamic behavior</b>
25-Oct	<b>Midterm Exam</b>
1-Nov	<b>Performance analysis-Production Geology</b>
8-Nov	<b>Integration of Geology, Petrophysics, Geophysics, and Reservoir Engineering for Reservoir Characterization Studies</b>
15-Nov	<b>Dynamic well tests and production analysis</b>
22-Nov	<b>Stress Impact/ Fracture models</b>
29-Nov	<b>Thanksgiving holiday</b>
6-Dec	<b>Presentation of Projects</b>
13-Dec	<b>Final Exam 2-4 p.m.</b>

Grading	<b>HW 20% Mid Term 30 % Final 40% Project 10%</b>
Reference Books	<b>Stratigraphic reservoir characterization for petroleum geologists, geophysicists, and engineers, Volume 61</b> Elsevier Roger M. Slatt
	<b>Facies Models 4– January 1, 2010</b> by Noel P. James (Author) , Robert W. Dalrymple
	Academic Honesty: All students are expected to adhere to the USC Student Conduct Code.
	SCAMPUS, the Student Guidebook, contains the Student Conduct Code. (Appendix A).
	<a href="http://www.usc.edu/dept/publications/SCAMPUS/gov/">http://www.usc.edu/dept/publications/SCAMPUS/gov/</a>
	In case of suspicion of academic dishonesty, student(s) will be referred to the office of Student Judicial Affairs and Community Standards for further review.
	Students with Disabilities: Any student requesting academic accommodations based on a dis- ability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. It is located in STU 301 and is open 8:30 a.m.5:00 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.