Fall Semester 2017: PTE 502: Advanced Reservoir Characterization

Petroleum Engr. Program - Mork Family Department of Chemical Eng. and Materials Science
University of Southern California

Mondays 3:30-6:10 PM OHE 116

Fall Semester 2017
Dr. Hadi Eshaghli  eshaghli@usc.edu  3109911337

28-Aug Depositional Environments and Models
4-Sep Labor Day Holiday
11-Sep Facies Models/Sequence Stratigraphy
18-Sep Tools of Reservoir Characterization - Petrophysics
25-Sep Tools of Reservoir Characterization - Geophysics - Geomechanical Parameters
2-Oct Tools of Reservoir Characterization - Production, Injection, Well Tests and Tracer Date
9-Oct SPE ATCE No Class

Make Up Uncertainty in Reservoir Description
16-Oct Mid Term Exam
23-Oct Flow Units / Structural Control
30-Oct Basin Modeling
6-Nov Fractured Reservoirs
13-Nov Conventional and Unconventional Resources
20-Nov 3D Geologic Modeling Methods
27-Nov Student Project Presentations

11-Dec Final Exam 2-4 PM

Grading

HW 20%
Mid Terms 30%
Final Exam 40%
Term Project 10%

Various Readings from SOE, AAPG, and SEG will be assigned

References USE USC Elibrary

Author/Editor Title
Schenk Physical Properties of Rocks - Elsevier 2011
Veeken Seismic Stratigraphy and Depositional Facies Models
Slatt Stratigraphic Reservoir Characterization for Petroleum Geologists, ...Elsevier 2013