PETE 7241- Applied Reservoir Geomechanics

Spring 2014

Main Instructor
Arash Dahi
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Office: Patrick Taylor Hall 2115
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Office hours: M- W 1:00 – 2:00.

Weekly Meeting - Lecture

T- Th 17:00 – 18:20
Location: Tureaud Hall 203

Grading
Quiz 10%
Midterm 20%
Homework 30%
Small Project 10%
Final Project 30%

Course Outline

– Hydraulic Fracturing modeling and design
– Hydraulic Fracturing assessment and appraisal
– Wellbore instability analysis
– Acidization treatments (modelling and design)
– Sand Production analysis

References
Reservoir Stimulation, 3rd Edition by Michael J. Economides and Kenneth G. Nolte (Jun 9, 2000)

