

PTE 502 Dr. Ershag

Part I: Subsurface Re

Week 1 August 29

Week 2 Sept. 5

Week 3 Sept 12

Week 4 Sept 19

Part II: Applied Chara

Week 5 Sept 26

Week 6 Oct 3

Fall Recess

Week 7 Oct 17

Week 8 Oct 24

Week 9 OCT 31

Week10 Nov.7

Part III: Tools and Te

Week 11 Nov 14

Week 12 Nov 21

Week 13 Nov 28

Week 14 Dec 5

Week 15 Dec. 12

FINAL

ghi 2-540 PM RTH 217

Reservoir Engineering

Understanding the Earth Subsurface Geologic Structure

Description of the Subsurface Domain and Rock Systems

Facies Modeling, Causes for Development of Subsurface Structures

Major Worldwide Subsurface Structures of Various Rock Compositions

Characterization Methods

Skills in Subsurface Characterization and Engineering

Conventional and Special Core Analysis

Oct.10-11

Midterm Exam 1

Source Rock Resources Evaluation

Geothermal Systems Evaluation

Recovery of Subsurface Minerals

Technologies for Subsurface Characterization

Evaluation of Energy Storage Systems

Advanced geologic simulation methods and Rock Mechanics Aspects Concepts of geomechanics

Thanksgiving Holiday

Individual Term Project Presentation

Final Exam 2-5 PM

s as applied to subsurface geologic structures. Basin Modeling