

PNGE 200

INTRODUCTION TO PETROLEUM ENGINEERING

Course Designation: Required

Catalog Description:

Introduction to Petroleum Engineering. 3 hr. PR: Sophomore standing. Introduction; origin, migration, and accumulation of petroleum; reservoir fluids properties; properties of reservoir rocks; exploration; drilling technology; reservoir engineering; well completions; production engineering. Open to all students.

Pre-requisites: Sophomore Standing in PNGE

Textbook(s) and /or Other Required Material:

Non-Technical Guide to Petroleum Geology, Exploration, Drilling & Production by Norman J. Hyne 2nd and 3rd editions

Course Objectives

To provide the students with a background in the field of Petroleum Engineering and to introduce and familiarize students with subjects discussed in future courses required for completion of degree.

PNGE 200 SCHEDULE OF CLASSES Fall 2013

Week	Day	topic
1	W	introduction/abet/objectives/outcomes/ pretest
2	W	careers/industry/spe/engineering ethics
3	W	history/geology
4	W	drilling
5	W	production
6	W	reservoir mid term
7	W	safety/environmental & test #2
8	W	computer skills
9 &10	W	reporting technical / interviewing /resume
11	W	test #3 & presentations projects
12	W	presentations projects
13	W	last day of classes/final
14	W	final Exam

GRADING POLICY:

Attendance	10%
Homework	20%
Exams	40%
Presentation	10%
Project	10%
Group Project	10%

Social Justice Statement:

The West Virginia University is committed to creating and fostering a positive learning and working environment based on open communication, mutual respect, and inclusion.

If you are a person with a disability and anticipate needing any type of accommodation in order to participate in this class, please advise me and make appropriate arrangements with the Office of Accessibility Services (304-293-6700). For more information on West Virginia University's Diversity, Equity, and Inclusion initiatives, please see <http://diversity.wvu.edu>

PNGE 200 - Class Policies:

Attendance

1. Attendance will be taken during class

Homework Policy

1. eCampus will be used for Homework Assignments(3-12)
2. Homework must be completed by the due date
3. Homework questions will come from book and lecture notes
4. Make a copy of your homework to use in studying for the exams
5. Homework #13 Report must be at least fifteen (15) double spaced pages. Your topic will be submitted by 3/20/2013 on a single page of paper with your name and topic.
6. Homework #14 Presentation(10 mins) will be completed with four persons to a group

Quizzes Policy:

1. Quizzes or other assessment methods may be used as needed

Projects Policy:

1. Projects may be worked on in groups, however individual work must be submitted.

Test Policy

1. Three Tests
2. Comprehensive Final
3. Questions will come from Homework