Instructor: George Voneiff
Contact Information:

Voneiff: Phone 979-574-7179; Email george.voneiff@pe.tamu.edu
Office: No office on campus, I have a business office at 2425 Earl Rudder Freeway, College Station
Office Hours: By appointment, Fridays before class is best

Description: Deterministic evaluation techniques for oil & gas properties focusing on economic analyses, reserves classifications and decision making.

Objectives:
- Compute net present value, rate of return and payout for a cash flow stream.
- Construct and run a decline curve history matching and forecasting model.
- Construct and run a before-tax economic model utilizing a production forecast.
- Use economic outputs to make a business decision.
- Assign reserves to a deterministic reserves classification system.
- Present the recommendations, conclusions and results of an economic evaluation in a well-organized report.
- Apply depreciation schedules to an after-tax economic evaluation.

Text: You must purchase the text books **BEFORE** classes start. The Mian book can be purchased on-line and takes a few days to arrive. Not having the textbook is not an acceptable excuse for incomplete or late homework.


Class Schedule: Friday 1:50 – 5:25 PM, 313 Richardson

Prerequisite: While there is no prerequisite, it is assumed you have a basic understanding of reservoir engineering principles and are proficient with MS Excel. If you are lacking either of these traits, then you may need to supplement this class with reservoir engineering study and/or spreadsheet training.

**Basis for grade:**

- Homework and class discussion ................................................. 20%
- Mid Project .............................................................................. 30%
- Final Project ............................................................................ 50%
Notes:

1. Homework is due at the start of class and should be turned in electronically. Word documents, Excel spreadsheets and .PDF files are acceptable. Late homework will receive a grade of zero.
2. Mid-Term and Final Projects will be turned in electronically. In-Class students will also turn in a printed version of those projects.
3. Class discussions will include reading assignments and homework. Please come to class prepared to discuss the assigned topics for the day.
4. Assignments and other course materials will be posted on Vista. You will need to establish a Vista account for this class and monitor the web site regularly.

Vista Account

Because course information will be posted on Vista regularly, I ask that you please monitor at least once a day. To set up your Vista account for this course, please do the following:

- Go to elearning.tamu.edu.
- Find the link to Vista Logon. Click the link.
- If you are a PETE Graduate Student, use your NetID (Neo ID and password) to logon.
- If you are a PETE Certificate Student, use your assigned ID and password.
- Click on the course name.

This should be all you need. If you think you can't get there from here, please contact Mary Lu Epps or Ted Jones in the 407 office suite for help.

Academic Integrity Syllabus Statement

"An Aggie does not lie, cheat, or steal or tolerate those who do."

All syllabi shall contain a section that states the Aggie Honor Code and refers the student to the Honor Council Rules and Procedures on the web http://www.tamu.edu/aggiehonor <http://www.tamu.edu/aggiehonor>

It is further recommended that instructors print the following on assignments and examinations:

"On my honor, as an Aggie, I have neither given nor received unauthorized aid on this academic work."
Americans with Disabilities Act (ADA) Policy Statement

The following ADA Policy Statement (part of the Policy on Individual Disabling Conditions) was submitted to the UCC by the Department of Student Life. The policy statement was forwarded to the Faculty Senate for information.

The Americans with Disabilities Act (ADA) is a federal antidiscrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe that you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room 126 of the Koldus Building, or call 845-1637.