Course Description:

Petroleum Basin Evaluation (GOL 534) - Study of Modern Petroleum Basins, Prerequisite: GOL 408 and 242

Program Learning Outcomes
1. Demonstrate knowledge of fundamental geoscience concepts. (Concepts)
2. Execute geoscience procedures and methods accurately, appropriately, and safely. (Geoscience Skills)
3. Demonstrate proficiency in interpretation and communication of geoscience information. (Scientific Communication)
4. Apply concepts, skills, and scientific communication to identify, analyze, and interpret geoscience phenomena. (Research)

Student Learning Outcomes:
1. Properly identify and describe Petroleum Basins
2. Understand Petroleum Traps
3. Understand Petroleum generation and migration
4. Recognize depositional environments within sequences
5. Work with seismic and stratigraphic data
6. Determine deposition setting in relation to petroleum exploration
7. Properly determine cost of petroleum exploration

Course Requirements:
Petroleum Basin Evaluation (GOL 534) is designed to provide an understanding of petroleum basin analysis and exploration. This is an independent group project of a basin with “real-world” data sponsored by the American Association of Petroleum Geologist. It is required that you present the findings at the semi-annual competition on March 26-17.
Course Calendar:

Data is received towards the end of January. From there:

1. Receive petroleum basin data from AAPG
2. Unpack and organize data
3. Interpret data
4. Work up prospects
5. Analysis Cost
6. Present at IBA Competition March 26-27

Credit Hour Justification
Meets for a minimum of 25 lecture contact hours during the semester. Successful complete of all elements for the course requires at least six hours of additional out-of-class work each week.

Grading Policy:

Calculation of final grades:
Grade given by AAPG Evaluation of IBA Presentation

Attendance Policy:
Attendance in mandatory, and necessary in order to succeed in class. Independent work needs to be completed in timely manner, as your team is counting on you. There will be two meetings with outside advisors, which is required unless a significant conflict occurs. The final grade is dependent on your presentation.

Academic Integrity (4.1)
Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit. Please read the complete policy at http://www.sfasu.edu/policies/4.1-student-academic-dishonesty.pdf.

Withheld Grades Semester Grades Policy 5.5)
Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one
calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average. For additional information, go to http://www.sfasu.edu/policies/course-grades-5.5.pdf.

Students with Disabilities
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.