

PET 458E
Pipeline Design, Spring 2013
Student Survey/prepared by H. Sarak

1. This course requires pre-requisites, co-requisites or assumes that you acquired and digested the material covered in some of the courses as listed below so that you will not have a difficulty following and applying the material taught in this course as listed below. On a scale of 1 to 5 (1 being strongly disagree and 5 being strongly agree), evaluate these pre-requisites.				
Helped me understand fundamentals in PET458E				
Could clearly relate the material in this class to PET458E				
Overall, this course is a good building block for PET458E				
2. List any prior courses, other than the above, you found useful in understanding the concepts in PET458E.				
3. Evaluate the usefulness of course material (1 being the least useful and 5 being the most useful, 0 if not applicable).				
Class notes/slides/reading assignments				
Use of internet sources (Ninova, course web pages and other related internet sites)				
Use of computers and software as a teaching aid to enhance the class material				
Homework problems				
Quizzes				
Midterms				
Physical concepts used in explaining class material clearly				
4. What additional background would have been useful in completing this course e.g., additional math courses, physical science courses, petroleum engineering courses, etc.)				
5. Teacher's Evaluation (on a scale of 5; 1 being infrequently and 5 being almost always).				
Instructor showed high level of performance in the class				
Instructor's attendance to the class				
Instructor encouraged the students to ask questions, to make comments, etc.				
Instructor showed respect for students				
Instructor presented course content clearly				
Instructor was timely returning graded material				
Instructor was accessible outside of class				
Instructor was prepared for class				
Instructor's course plan was consistent with course objectives				
Instructor assigned grades in an unbiased way				

6. Student's Evaluation (on a scale of 5; 1 being infrequently and 5 being almost always).		
Student attended the class		
Student worked hard for this class		
Student prepared for this class		
Student found the course material to be interesting		
Student found the course material to be difficult		
7. What topics of this course are covered in prior courses?		
Topics	Yes/No	Which course
The elements, design, construction, and operation principles of pipelines		
Derivation of Bernoulli's Equation		
Types of Flow Regimes		
General Flow Equations		
Pressure Drop Calculations for Pipelines		
Pipeline Looping		
Temperature Profile Calculations for Pipelines		
Gas Compression Calculations		
8. List any of the topics (listed in item 7 above) not covered in PET458E.		
9. Do you believe that the following overall course objectives/outcomes, as stated, are met in this course?		
Objectives/Outcomes	Yes/No	
Helps students to inform the elements, design, construction, and operation principles of pipelines		
Provide a general and fundamental knowledge of types of fluid flow		
Help students to use of general flow equations		
Help students to inform about the pressure drop along the pipeline		
Help students to inform about temperature profile along the pipeline		
Help students to inform about gas compression		
Furnishing students with technical knowledge for solving the problems arise in design, construction, operation and environmental threats upon failure of pipelines		
10. Evaluate at what level you have gained the following outcomes (1 being the least useful and 5 being the most useful).		
Understand physical/mathematical models and assumptions behind the general flow equations		
Understand the elements, design, construction, and operation principles of pipeline		
Understand the pressure and temperature drops along the pipeline		
11. How would you rate the contribution of this course in your overall petroleum/natural gas engineering education at ITU. Please just simply give a grade between 1 and 5 (1 being the least useful and 5 being the most useful).		

Please provide below further comments and suggestions, if any, that you may have about the course content, instructor, course assistant, etc.
