PET 468
Natural Gas Processing Technology, Spring 2013
Student Survey

1. This course may require 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.

	BIL 101 E	BIL 106 E	MAT201	MAT202	PET311E	PET312	PET431E	AKM 204	TER 201
Helped me understand fundamentals in PET468									
Could clearly relate the material in this class to PET468									
Overall, this course is a good building block for PET468									

2. List any prior courses, other than the above, you found useful in understanding the concepts in PET468.

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 and their solutions	
Quizzes and quiz solutions	
Midterms and their solutions	
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
Fundamental concepts on project management, and natural gas field production project		
Physical properties and phase behavior of hydrocarbon fluids.		
Natural gas hydrates and method for preventing hydrate formation		
Process and product definitions, product selection, separation, recovery, and conditioning processes		
Application of thermodynamic laws in natural gas engineering		
Temperature distribution calculations in pipe flows		
Gas and oil separation systems		
Recovery of natural gas liquids, absorption and fractionation processes, condensate stabilization processes		
Process for dehydration and sweetening of gas		
Process vessels and mechanical design of pipes.		
Thermal and mechanical energy transfer equipment		
Heat transfer, heat exchangers, heaters, mechanical and expansion type cooling methods		
Pumps and compressors		
Metering, equipment for metering and control, the equipment for process, safety and reliability		
Definition of maintenance, conditioning maintenance, preventive maintenance		

8. **List any topics (listed in item 7 above) not covered in PET468**

9. Do you believe that the following overall course objectives/outcomes, as stated, are met in this course?

Objectives/Outcomes	Yes/No
Fundamental concepts on project management, and natural gas field production project	
Process and product definitions, product selection, separation, recovery, and conditioning processes	
Provide understanding of recovery of natural gas liquids, absorption and fractionation processes, condensate stabilization processes	
Processes for dehydration and sweetening of gas, and vessels and mechanical design of pipes	
Understand the process of metering and maintenance	
Understand thermal and mechanical energy transfer equipments	

10. Evaluate at what level you have gained the following outcomes (1 being the least useful and 5 being the most useful).	
1.1 Learn chemical, physical, and termodynamic properties of oil, natural gas, and geothermal systems	
1.3 Apply basic math, science, geo-science and engineering science concepts in drilling, production, reservoir engineering.	
2.2 Design experiments, systems, components and processes	
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).	

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