PET 332E
Production Engineering I, Spring 2013
Student Survey

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.						
	AKM 204	PET 212E	PET 311E	TER 201	PET 342E	
Helped me understand fundamentals in **PET 332**						
Could clearly relate the material in this class to **PET 332**						
Overall, this course is a good building block **for PET 332**						

2. List any prior courses, other than the above, you found useful in understanding the concepts in PET 332.

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
Reservoir performance: fluid flow in porous media, productivity index		
Vogel and Fetkovitch methods to predict reservoir performance		
Fundamental principles of fluid flow in pipes		
Multi phase flow in pipes, pressure drop calculations for multiphase flow		
Optimum tubing design for different well geometries		
Wellhead and choke performance prediction methods		
Rate decline curves		

8. List any topics (listed in item 7 above) not covered in PET332

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

Objectives/Outcomes	Yes / No
Provide basic information on production engineering, production systems and artificial lift	
Explain fluid flow in porous media	
Current and future reservoir flow performance predictions using Vogel and Fetkovitch methods	
Demonstrate single and multi phase flow in pipes	
Explanation of wellhead, choke and tubing performance, and tubing design for different well geometries, general aspects of rate decline curve analysis	

10. Evaluate each of the following performance criteria of the overall program outcomes related to this course (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.	
1.2 Conceive basic conservation laws and principles governing reservoir/well behavior.	
1.3 Apply basic math, science, geo-science and engineering science concepts in drilling, production, reservoir engineering.	
1.4 Develop physical and mathematical models for solving engineering problems	
2.1 Understand physical/mathematical models and assumptions behind systems, components, and processes	
2.4 Analyze the data, interpret the results, derive conclusions and present findings	

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 any comments and suggestions that you may have about the course content, instructor, course assistant, etc.