PET 311E
Fluid Properties Student Survey (Spring 2013)

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.

	FIZ 101E	KIM 101	FIZ 102E	KIM 102	KIM 201	PET 321
Helped me understand fundamentals in **PET 311E**						
Could clearly relate the material in this class to **PET 311E**						
Overall, this course is a good building block for **PET 311E**						

2. List any prior courses, other than the above, you found useful in understanding the concepts in PET 311E.

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	
Quality of homework problems and their solutions	
Midterm and its solution discussed in the class	
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).	**Score**
Instructor required high level of performance	
Instructor encouraged questions, 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 lectures etc. were 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 material of this course is covered in prior courses?		
Topics	**Yes/No**	**Which course**
Chemistry of petroleum and natural gas		
Basic phase behavior of hydrocarbons and other fluids		
Modeling of real gas behavior (compressibility EOS)		
Phase equilibrium calculations based on ideal fluid approach		
Equations of state to model petroleum and natural gas		
Oil and gas physical property correlations		

8. Do you believe that the course objectives/outcomes, as stated, are met in this course?	
Objectives/Outcomes	**Yes / No**
Provide information on formation and chemistry of petroleum and natural gas,	
Inform students with basic hydrocarbon phase behavior and hydrocarbon reservoir fluids,	
Explain real and ideal models used to model gas-liquid equilibria,	
Explain five different hydrocarbon reservoir fluids to the student,	
Demonstrate experimental and correlative methods to determine hydrocarbon fluid properties.	

9. 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).	
Learn chemical, physical, and termodynamic properties of oil, natural gas, and geothermal systems.	
Conceive basic conservation laws and principles governing reservoir/well behavior.	
Apply basic math, science, geo-science and engineering science concepts in drilling, production, reservoir engineering.	
Develop physical and mathematical models for solving engineering problems	
Understand physical/mathematical models and assumptions behind systems, components, and processes	
Analyze the data, interpret the results, derive conclusions and present findings	

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