

Eastern Mediterranean University
Faculty of Arts and Sciences

DEPARTMENT OF CHEMISTRY

<i>Course Code</i>	CHEM 507	<i>Course Title</i>	Special Topics in Physical Chemistry		
<i>Academic Year</i>	2017-18	<i>Academic Term</i>	FALL	<i>Course Credit</i>	3

		<i>e-mail</i>	<i>Office</i>	<i>Tel.</i>
<i>Instructor(s)</i>	Prof.Dr. Osman YILMAZ	osman.yilmaz@emu.edu.tr	AS227	2925
<i>Assistant(s)</i>	-	-	-	-

<i>Course Objectives</i>	This course is designed to cover topics in physical chemistry including fundamental terms and concepts, zeroth law of thermodynamics and equations of state, first law of thermodynamics, second and third laws of thermodynamics, fundamental equations of thermodynamics, chemical equilibrium, phase equilibrium, basics of chemical kinetics.			
<i>Weekly Schedule</i>	<ol style="list-style-type: none"> 1. Fundamental terms and concepts 2. Zeroth Law of Thermodynamics and Equations of State 3. First Law of Thermodynamics 4. Second and Third Laws of Thermodynamics 5. Fundamental Equations of Thermodynamics (Basics) 6. Chemical Equilibrium (Basics) 7. Phase Equilibrium (Basics) 			
<i>Textbook(s) / Required Reading</i>	Silbey, R., R. Alberty, and M. Bawendi. Physical Chemistry. 4th ed. New York, NY: John Wiley & Sons, 2004. ISBN: 9780471215042			
<i>Recommended Reading</i>				
<i>Grading Criteria</i>	2 Midterms	30% each		
	Final	40%		
<i>Academic Honesty</i>	Individual accountability for all individual work, written or oral. Copying from others or providing answers or information, written or oral, to others is cheating. Providing proper acknowledgment of original author. Copying from another student's paper or from another text without written acknowledgement is plagiarism. According to University's bylaws cheating and plagiarism are serious offences resulting in a failure from exam or project and disciplinary action (which includes an official warning may appear in student's transcript or/and suspension from University for up to one semester).			
<i>Additional Remarks</i>				