Course No.	414562 I		cture No.	001	Course Title (Subtitle)	Topics in	Ocean Engir Design	neering	Credit	3-3-0	
Representative Instructor	Name	Youngs	sub Lim	(post :	)	Homepag					
	E-mail s98thesb@snu.ac.kr					Phone No	Э.	02-880-7325			
	Interview Time/Place : Mon-Thr 1:00-2:00 PM										
Prerequisite Course											
* 1.Purpose of Course	In this class, students will learn about thermodynamic basics, and develop their own thermodynamics model to solve basic thermodynamic equipment such as pump, turbine, valve, and separator by using the student's own in-house code. The result will be verified by comparison with commercial simulator and experimental result.										
* 2.Materials and Reference											
* 3.Evaluation Method	Attendance	e Ta:	sk	Medium	Final	Random Evaluation	Attitude	Othe	er	Total	
			40	0	50	0	10		0	100	
	Attendance Students who are absent for over 1/3 of the class will receive a grade of 'F' or 'U' for the course. Policy: (Exceptions can be made when the cause of absence is deemed unavoidable by the course instructor.)										
	Remark of Others :  Week 1: Thermodynamic systems  Week 9: VLE and Gibbs free energy										
* 4.Lecture Plan	Week 1: Thermodynamic systems Week 2: 1st law Week 3: Enthalpy and entropy Week 4: Thermodynamic process and cycle Week 5: Thermodynamic cyles Week 6: EOS Week 7: EOS#2 Week 8: Departure function					Week 10: Mixture properties Week 11: VLE: ideal mixture Week 12: Distillation Column Week 13: VLE: Fugacity model Week 14: VLE: Activity coefficient model Week 15: Final exam and project presentation					
5.References to Course Registration	Milo D. Koretsky, Engineering and Chemical Thermodynamics, Wiley.										
6. Support Services for Students with Disabilities  X You can modify these default	<ul> <li>✓ Visual Impairment: Make textbooks(digital textbook, braille textbook, enlarged text Allow note takers</li> <li>✓ Physical Disability: Make textbooks (digital textbook), Allow note takers and assistant</li> <li>✓ Hearing Impairment: Allow note takers and translators, Allow lecture recording</li> <li>✓ Health Impairment: Excuse absence due to health problems, Allow note takers</li> <li>✓ Learning Disability: Allow note takers</li> <li>✓ Intellectual Disability / Autism Spectrum Disorder: Allow note takers and mentors</li> <li>✓ Visual Impairment / Physical Disability / Hearing Impairment / Health Impairment</li> </ul>							nts			
	For Assignments & Evaluations  Disability: Extend assignment dea method, Extend testing period, O Intellectual Disability / Autism alternative evaluations					adlines, Offer alternate assignment submission and response iffer alternate testing method, Offer different testing room Spectrum Disorder: Offer individualized assignments and					
contents.	Students who take this course can get appropriate level of support service including the support listed above depending on the students' individual characteristics and needs through consultation with professors and the Support Center for Students with Disabilities. If you have any questions concerning support service for students with disabilities you can contact Professor ** (02-880-****) or Support Center for Students with Disabilities (02-880-8787).									onsultation questions	

<sup>♦</sup> fields with \* : required fields♦ If you don't release the syllabus, you may have some disadvantages.