

Course No.		Lecture No.	***	Course Title (Subtitle)	Polymer Rheology			Credit	3	
Representative Instructor	Name	Kyung Hyun Ahn (post : )			Homepage					
	E-mail	ahnnet@snu.ac.kr			Phone No.	02-880-8322				
	Interview Time/Place : Tue, Thr 15:30~16:30									
Prerequisite Course	Engineering Mathematics, Process Fluid Mechanics									
* 1.Purpose of Course	The goal of this course is to study fundamentals on rheology which is a basic principle in materials processing. Rheology is a science of flow and deformation of complex fluids. The course covers basic principles of rheology as well as diverse case studies of problem solving in industry. This course will be helpful not only to graduate students, but to juniors and seniors in undergraduate programs.									
* 2.Materials and Reference	- Christopher Macosko, Rheology: principles, measurements and applications, VCH, 1994.									
* 3.Evaluation Method	Attendance	Task	Medium	Final	Random Evaluation	Attitude	Other	Total		
	10	20	30	40	0	0	0	0		
Remark of Others :										
* 4.Lecture Plan	week	lecture content				chapter	others			
	1	Introduction								
	2	flow and fluid								
	3	flow and fluid								
	4	viscoelasticity								
	5	viscoelasticity								
	6	viscoelasticity								
	7	experimental data								
	8	experimental data								
	9	rheometry								
	10	rheometry								
	11	melt theory								
	12	melt theory								
	13	problem solving								
	14	problem solving								
	15	problem solving								
16	Wrap-up									
5.References to Course Registration										

6. Support Services for Students with Disabilities  ※ You can modify these default contents.	For Lectures	<input type="radio"/> Visual Impairment: Make textbooks(digital textbook, braille textbook, enlarged textbook etc.), Allow note takers <input type="radio"/> Physical Disability: Make textbooks (digital textbook), Allow note takers and assistants <input type="radio"/> Hearing Impairment: Allow note takers and translators, Allow lecture recording <input type="radio"/> Health Impairment: Excuse absence due to health problems, Allow note takers <input type="radio"/> Learning Disability: Allow note takers <input type="radio"/> Intellectual Disability / Autism Spectrum Disorder: Allow note takers and mentors
	For Assignments & Evaluations	<input type="radio"/> Visual Impairment / Physical Disability / Hearing Impairment / Health Impairment / Learning Disability: Extend assignment deadlines, Offer alternate assignment submission and response method, Extend testing period, Offer alternate testing method, Offer different testing room <input type="radio"/> Intellectual Disability / Autism Spectrum Disorder: Offer individualized assignments and alternative evaluations
	Others	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).

◇ fields with \* : required fields

◇ If you don't release the syllabus, you may have some disadvantages.