

Course No.	458.203	Lecture No.	001	Course Title (Subtitle)	Engineering Biology	Credit	3	
Representative Instructor	Name	Tai Hyun Park (post : Professor )			Homepage	http://biotech.snu.ac.kr		
	E-mail	thpark@snu.ac.kr			Phone No.	02-880-8020		
Prerequisite Course	None							
* 1.Purpose of Course	1. Introduction to Chemical & Biological Engineering 2. Understanding of the Characteristics of Cells and Biomolecules 3. Understanding of the Industrial Applications of Cells and Biomolecules							
* 2.Materials and Reference	K. Solen and J.N. Harb, "Introduction to Chemical Engineering" 5 <sup>th</sup> Ed., Wiley, Hoboken (2011) H. Kreuzer and A. Massey, "Biology and Biotechnology", ASM Press, Washington, D. C. (2005).							
* 3.Evaluation Method	Attendance	Task	Medium (3 times)	Final	Random Evaluation	Attitude	Other	Total
	5	10	40	40	0	5	0	100
Remark of Others :								
* 4.Lecture Plan	Week 1: Introduction to Chem. Eng. Week 2: Quantities & Mass Balance Week 3: Transfer & Reaction Eng. Week 4: The Cell : the Basic Unit of Life Week 5: Molecular Components of Cells Week 6: Expression of Genetic Informations Week 7: Protein Structure and Function Week 8: Cell Metabolism				Week 9: Cells & Environments Week 10: Cells Grow and Reproduce Week 11: Cells Differentiate Week 12: The Biotechnology Toolbox Week 13: Biotechnology in the Laboratory Week 14: Health Care Appl. & Medical Biotech Week 15: Environ. Sustainability and Biotech			
5.References to Course Registration	TA: Juri Lee & June Ho Cho							
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.