

KAIST CBE
2018 Fall Course Offering

2018-07-05

Course No.	Section	Course Title	Credit	English	Instructor	Course for both UG/GR	Prerequisite Course
CBE201		분자공학실험	3	Y	김범준		
CBE206		생화공 수치계산법	3	Y	김지한		MAS101, MAS102
CBE221		분자열역학과 에너지 시스템	3	Y	김종득		
CBE261		생물화학공학	3	Y	정기준		
CBE303		생화공물리화학I	3	Y	최민기		
CBE321		분리공정	3	Y	고동연		CBE202, CBE221
CBE332		열과 분자의 이동	3	Y	임성갑		
CBE404		생화공물리화학II	3	Y	정유성	v	
CBE442		생명화학공학 디자인 프로젝트	3	Y	김현욱	v	CBE311, CBE321, CBE441
CBE455		나노화학기술	3	Y	최시영	v	
CBE462		생물분리공학	3	Y	박현규	v	
CBE481	A	생명화학공학특강 <생물시스템의 공학적 원리>	3	Y	김유식	v	
CBE481	B	생명화학공학특강 <생화공고분자합성이론>	3	Y	리생	v	
CBE481	C	생명화학공학특강 <창의적 융합 디자인 이론>	3	Y	김지한, 고동연, 김현욱	v	
CBE481	D	생명화학공학특강 <창의적 융합 디자인 실험>	3	Y	김지한, 고동연, 김현욱	v	
CBE496		세미나	1	N	이현주	v	
CBE512		촉매공학개론	3	Y	이현주	v	
CBE543		공정시스템 이론과 방법론	3	Y	이재형	v	CBE341
CBE554		고분자의 물리적 원리	3	N	박정기	v	
CBE572		무기재료공정	3	Y	박승빈	v	
CBE602		생명화학공학의 문제해결	3	Y	김신현		
CBE641		고급공정설계	3	Y	이재우		
CBE771		고급 전기화학공학	3	Y	김희탁		CBE371
CBE773		생명화학공학의 최근동향 <Drug Delivery>	3	Y	김유천		
CBE773		생명화학공학의 최근동향 <에너지 및 환경 분야에서의 나노 재료와 기술>	3	Y	조은선		
CBE966		세미나	1	N	이현주		

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CBE201		Molecular Engineering Laboratory	3	Y	Kim, Bumjoon		
CBE206		Introduction to Numerical Methods for CBE	3	Y	Jihan, Kim		MAS101, MAS102
CBE221		Molecular Thermodynamic and Energy Systems	3	Y	Jong Duk Kim		
CBE261		Biochemical Engineering	3	Y	Jeong, Kijun		
CBE303		Physical Chemistry for CBE I	3	Y	Choi, MinKee		
CBE321		Separation Processes	3	Y	Koh Dong-Yeun		CBE202, CBE221
CBE332		Heat and Molecular Transfer	3	Y	SungGap Im		
CBE404		Physical Chemistry for CBE II	3	Y	Yousung Jung	v	
CBE442		CBE Capstone Design Project	3	Y	Kim, Hyun Uk	v	CBE311, CBE321, CBE441
CBE455		Nanochemical Technology	3	Y	Choi, Si Young	v	
CBE462		Bioseparation Engineering	3	Y	Park, HyunGyu	v	
CBE481	A	Special Topics in CBE 〈Engineering Principles in Biological Systems〉	3	Y	Kim, Yoosik	v	
CBE481	B	Special Topics in CBE 〈Polymer Synthesis for Chemical Engineers〉	3	Y	Li, Sheng	v	
CBE481	C	Special Topics in CBE 〈Creative Integrated Design Theory〉	3	Y	Jihan, Kim, Koh Dong-Yeun, Kim, Hyun Uk	v	
CBE481	D	Special Topics in CBE 〈Creative Integrated Design Experiment〉	3	Y	Jihan, Kim, Koh Dong-Yeun, Kim, Hyun Uk	v	
CBE496		Seminar for Undergraduate Students	1	N	Staff	v	
CBE512		Introduction to Catalysis Engineering	3	Y	Lee, Hyunjoo	v	
CBE543		Process Systems Engineering Theories and Methods	3	Y	Lee, Jay-Hyung	v	CBE341
CBE554		Physical Principles of Polymers	3	N	Jung Ki Park	v	
CBE572		Inorganic Materials Processing	3	Y	Park, SeungBin	v	
CBE602		Problem Solving in CBE	3	Y	Shin Hyun Kim		
CBE641		Advanced Process Design	3	Y	Lee, Jae W		
CBE771		Advanced Electrochemical Engineering	3	Y	Hee-Tak, Kim		CBE371
CBE773		Recent Topics in CBE 〈Drug Delivery〉	3	Y	Kim, YeuChun		
CBE773		Recent Topics in CBE 〈Nanomaterials in Energy and Environmental Technology〉	3	Y	Eun Seon Cho		
CBE966		Seminar 〈Master Student〉	1	N	Staff		

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CBE202		생명화학공학개론	3	김신현		
CBE203		공업유기화학	3	리생		
CBE260		생명분자공학	3	김유천		
CBE301		생명화학공학실험	3	최민기		
CBE311		분자반응공학	3	이현주		
CBE331		화공유체역학	3	임성갑		CBE205
CBE351		고분자공학개론	3	박정기		
CBE362		생물정보학	3	김유식		
CBE371		전기화학공학	3	조은선		
CBE441		공정 및 제품 디자인	3	이재우	v	CBE202, CBE221, CBE321
CBE481		생명화학공학특강 〈Introduction to Molecular Modeling and Simulation〉	3	김지한	v	
CBE496		세미나	1	staff	v	
CBE522		계면공학	3	김종득	v	
CBE532		물질전달	3	고동연	v	
CBE556		고분자구조와 물성	3	김희탁	v	
CBE564		생물공정공학	3	김현욱	v	CBE261, CBE311
CBE569		핵산공학	3	박현규	v	
CBE601		생명화학공학 연구방법론	3	박승빈		
CBE602		생명화학공학의 문제해결	3	최시영		
CBE652		고분자특성화	3	김범준		
CBE664		재조합미생물공정	3	정기준		
CBE773		생명화학공학의 최근 동향 〈한화케미칼 화학산업 R&D 특강〉	3	이상욱		
CBE966		세미나	1	staff		

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CBE202		Introduction to Chemical Engineering	3	Shin Hyun Kim		
CBE203		Industrial Organic Chemistry	3	Li, Sheng		
CBE260		Biomolecular Engineering	3	Kim, YeuChun		
CBE301		Chemical and Biomolecular Engineering Laboratory	3	Choi, MinKee		
CBE311		Chemical Reaction Engineering	3	Lee, Hyunjoo		
CBE331		Fluid Mechanics of Microsystems	3	SungGap Im		CBE205
CBE351		Introduction to Macromolecular Engineering	3	Jung Ki Park		
CBE362		Bioinformatics	3	Kim, Yoosik		
CBE371		Electrochemical Principles for CBE	3	Eun Seon Cho		
CBE441		Techniques of Process and Product Design	3	Lee, Jae W	v	CBE202, CBE221, CBE321
CBE481		Special Topics in CBE 〈Introduction to Molecular Modeling and Simulation〉	3	Jihan, Kim	v	
CBE496		Seminar for Undergraduate Students	1	staff		
CBE522		Introduction to Interfacial Engineering	3	Jong Duk Kim	v	
CBE532		Mass Transfer	3	Koh Dong-Yeun	v	
CBE556		Structure and Properties of Macromolecules	3	Hee-Tak, Kim	v	
CBE564		Bioprocess Engineering	3	Kim, Hyun Uk	v	CBE261, CBE311
CBE569		Nucleic Acid Engineering	3	Park, HyunGyu	v	
CBE601		Research Methodology for CBE	3	Park, SeungBin		
CBE602		Problem Solving in CBE	3	Choi, Si Young		
CBE652		Polymer Characterization	3	Kim, Bumjoon		
CBE664		Process for Recombinant Microorganisms	3	Jeong, Kijun		
CBE773		Recent Topics in CBE 〈Hanwha Chemical R&D special lecture on chemical industry〉	3	SangWook Lee		
CBE966		Seminar 〈Master Student〉	1	staff		