

KAIST CBE
2017 Spring Course Offering

2017-06-01

Course No.	Section	Course Title	Credit	English	Instructor	Course for both UG/GR	Prerequisite Course
CBE202		생명화학공학개론	3	Y	김신현		
CBE203		공업유기화학	3	Y	리생		
CBE205		생화공학해석	3	Y	이도창		MAS101, MAS102
CBE260		생명분자공학	3	Y	김유천		
CBE301		생명화학공학실험	3	Y	최민기		
CBE311		분자반응공학	3	Y	이현주		
CBE331		화공유체역학	3	Y	임성갑		CBE205
CBE341		공정모사와 제어	3	Y	이재형		
CBE351		고분자공학개론	3	N	박경기		
CBE371		전기화학공학	3	Y	김희탁		
CBE441		공정 및 제품 디자인	3	Y	이재우	v	CBE202, CBE221, CBE321
CBE473		미세전자공정	3	Y	김도현	v	
CBE481	A	생명화학공학특강<Introduction to Modeling and Simulation>	3	Y	김지한	v	
CBE481	B	생명화학공학특강<Chemical Engineering Design Practice>	3	Y	김희탁, 이도창	v	
CBE496		세미나	1	N	staff		
CBE503		화공수치해석	3	Y	김도현	v	
CBE522		계면공학	3	N	김종득	v	
CBE523		울속분리공정	3	N	홍원희	v	
CBE552		고분자재료공학	3	Y	박오욱	v	
CBE564		생물공정공학	3	N	장용근	v	CBE261, CBE311
CBE569		핵산공학	3	Y	박현규	v	
CBE601		생명화학공학 연구방법론	3	Y	박승빈		
CBE602		생명화학공학의 문제해결	3	Y	최시영		
CBE652		고분자특성화	3	Y	김범준		CBE351
CBE664		재조합미생물공정	3	Y	정기준		
CBE761		생물공정해석 및 제어	3	Y	김유식		CBE564
CBE773		생명화학공학의 최근 동향 <한화케미칼 화학산업 R&D 특강>	3	N	이상욱		
CBE773		생명화학공학의 최근 동향 <에너지 및 환경 분야에서의 나노 재료와 기술>	3	Y	조은선		
CBE966		세미나	1	N	staff		

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CBE202		Introduction to Chemical and Biomolecular Engineering	3	Y	ShinHyun, Kim		
CBE203		Industrial Organic Chemistry	3	Y	Li, Sheng		
CBE205		Chemical and Biomolecular Engineering Analysis	3	Y	DohChang Lee		MAS101, MAS102
CBE260		Biomolecular Engineering	3	Y	Kim, YeuChun		
CBE301		Chemical and Biomolecular Engineering Laboratory	3	Y	Choi, MinKee		
CBE311		Molecular Reaction Engineering	3	Y	Lee, Hyunjoo		
CBE331		Fluid Mechanics for Chemical Engineering	3	Y	SungGap Im		CBE205
CBE341		Process Simulation and Control	3	Y	Lee, Jay-Hyung		
CBE351		Introduction to Macromolecular Engineering	3	N	Jung Ki Park		
CBE371		Electrochemical Principles for Chemical and Biomolecular Engineering	3	Y	Hee-Tak, Kim		
CBE441		Techniques of Process and Product Design	3	Y	Lee, Jae W	v	CBE202, CBE221, CBE321
CBE473		Microelectronics Processes	3	Y	Kim, DoHyun	v	
CBE481	A	Special Topics in Chemical and Biomolecular Engineering	3	Y	Jihan, Kim	v	
CBE481	B	Special Topics in Chemical and Biomolecular Engineering	3	Y	Hee-Tak, Kim DohChang Lee	v	
CBE496		Seminar for Undergraduate Students	1	N	staff		
CBE503		Numerical Method for Chemical Engineering	3	Y	Kim, DoHyun	v	
CBE522		Introduction to Interfacial Engineering	3	N	Jong Duk Kim	v	
CBE523		Rate-controlled Separation Processes	3	N	Won Hi Hong	v	
CBE552		Materials Engineering of Polymers	3	Y	Park, OOk	v	
CBE564		Bioprocess Engineering	3	N	Chang, YongKeun	v	CBE261, CBE311
CBE569		Nucleic Acid Engineering	3	Y	Park, HyunGyu	v	
CBE601		Research Methodology for Chemical and Biomolecular Engineers	3	Y	Park, SeungBin		
CBE602		Problem Solving in Chemical and Biomolecular Engineering	3	Y	Choi, Si Young		
CBE652		Polymer Characterization	3	Y	Kim, Bumjoon		CBE351
CBE664		Process for Recombinant Microorganisms	3	Y	Jeong, Kijun		
CBE761		Bioprocess Analysis and Control	3	Y	Kim, Yoosik		CBE564
CBE773		Recent Topics in Chemical & Biomolecular Engineering	3	N	Sang Wook Lee		
CBE773		Recent Topics in Chemical & Biomolecular Engineering	3	Y	Eun Seon Cho		
CBE966		Seminar <Master Student>	1	N	staff		

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CBE201		분자공학실험	3	김범준		
CBE206		생화공 수치계산법	3	김지한		MAS101, MAS102
CBE221		분자열역학과 에너지 시스템	3	김종득		
CBE261		생물화학공학	3	김유천		
CBE303		생화공물리화학I	3	김신현		
CBE321		분리공정	3	최시영		CBE202, CBE221
CBE332		열과 분자의 이동	3	김도현		
CBE442		디자인 프로젝트	3	리생	v	CBE311, CBE321, CBE441
CBE455		나노화학기술	3	이도창	v	
CBE473		미세전자공정	3	우성일	v	
CBE474		생화공기기분석	3	조은선	v	
CBE481		생명화학공학특강<대사공학 입문>	3	김유식	v	
CBE481		생명화학공학특강<생명화학공학자를 위한 창업과 경영>	3	박선원	v	
CBE496		세미나	1	Staff		
CBE541		고급 공정제어I	3	이재형	v	
CBE554		고분자의 물리적 원리	3	박정기	v	
CBE563		단백질 공학	3	정기준	v	
CBE602		생명화학공학의 문제해결	3	이현주		
CBE612		촉매설계	3	최민기		CBE203
CBE641		고급공정설계	3	이재우		
CBE771		고급 전기화학공학	3	김희탁		CBE371
CBE773		생명화학공학의 최근 동향	3	한화케미칼		
CBE966		세미나	1	staff		

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CBE201		Molecular Engineering Laboratory	3	Kim, Bumjoon		
CBE206		Introduction to Numerical Methods for Chemical and Biomolecular Engineers	3	Jihan, Kim		MAS101, MAS102
CBE221		Molecular Thermodynamic and Energy Systems	3	Jong Duk Kim		
CBE261		Biochemical Engineering	3	Kim, YeuChun		
CBE303		Physical Chemistry for Chemical & Biomolecular Engineers I	3	ShinHyun, Kim		
CBE321		Separation Processes	3	Choi, Si Young		CBE202, CBE221
CBE332		Heat and Molecular Transfer	3	Kim, DoHyun		
CBE442		Chemical and Biomolecular Engineering Capstone Design Project	3	Li, Sheng	v	CBE311, CBE321.
CBE455		Nanochemical Technology	3	DohChang Lee	v	
CBE473		Microelectronics Processes	3	Seong Ihl Woo	v	
CBE474		Instrumental Analysis for Chemical Engineers	3	Eun Seon Cho	v	
CBE481	A	Special Topics in Chemical and Biomolecular Engineering	3	Kim, Yoosik	v	
CBE481	B	Special Topics in Chemical and Biomolecular Engineering	3	Sunwon Park	v	
CBE496		Seminar for Undergraduate Students	1	staff		
CBE541		Advanced Process Control I	3	Lee, Jay-Hyung	v	
CBE554		Physical Principles of Polymers	3	Jung Ki Park	v	
CBE563		Protein Engineering	3	Jeong, Kijun	v	
CBE602		Problem Solving in Chemical and Biomolecular Engineering	3	Lee, Hyunjoo		
CBE612		Design of Catalysis	3	Choi, MinKee		CBE203
CBE641		Advanced Process Design	3	Lee, Jae W		
CBE771		Advanced Electrochemical Engineering	3	Hee-Tak, Kim		CBE371
CBE773		Recent Topics in Chemical & Biomolecular Engineering	3	staff		
CBE966		Seminar <Master Student>	1	staff		