

KAIST CBE
2016 Fall Course Offering

2016-07-06

Course No.	Section	Course Title	Credit	English	Instructor	Course for both UG/GR	Prerequisite Course
CBE201	A	분자공학실험	3	O	김범준		
CBE201	B	분자공학실험	3	O	김범준		
CBE206		생화공 수치계산법	3	O	김지한		MAS101, MAS102
CBE221		분자열역학과 에너지 시스템	3	O	김종득		
CBE261		생물화학공학	3	O	정기준		
CBE303		생화공물리화학I	3	O	최민기		
CBE321		분리공정	3		홍원희		CBE202, CBE221
CBE332		열과 분자의 이동	3	O	임성갑		
CBE362		생물정보학	3	O	김유식		
CBE442		디자인 프로젝트	3	O	리생	O	CBE311, CBE321, CBE441
CBE455		나노화학기술	3	O	최시영	O	
CBE462		생물물리공학	3	O	박현규	O	
CBE481		생명화학공학특강<생명화학공학자를 위한 창업과 경영>	3	O	박선원		
CBE496		세미나	1		최민기	O	
CBE533		미세구조 유체 흐름의 원리	3	O	박오욱	O	
CBE543		공정시스템 이론과 방법론	3	O	이재형	O	
CBE554		고분자의 물리적 원리	3		박정기	O	
CBE602		생명화학공학의 문제해결	3	O	이현주		
CBE611		촉매이론	3	O	우성일	O	
CBE621		상평형과 물성론	3	O	이훈		
CBE631		마이크로플루이딕스	3	O	김도현		
CBE641		고급공정설계	3	O	이재우		
CBE682		유기나노구조재료	3	O	정희태		
CBE771		고급 전기화학공학	3	O	김희탁		
CBE773	A	생명화학공학의 최근동향<계면물리학>	3	O	김신현		
CBE773	B	생명화학공학의 최근동향<Drug Delivery>	3	O	김유천		
CBE773	C	생명화학공학의 최근동향<양자구조의 이해와 설계>	3	O	이도창		
CBE773	D	생명화학공학의 최근동향<한화케미칼 R&D 특강>	3		Staff		
CBE966		세미나(석사)	1		최민기		

KAIST CBE
2016 Fall Course Offering

2016-07-06

Course No.	Section	Course Title	Credit	English	Instructor	Course for both UG/GR	Prerequisite Course
CBE201	A	Molecular Engineering Laboratory	3	O	Bumjoon Kim		
CBE201	B	Molecular Engineering Laboratory	3	O	Bumjoon Kim		
CBE206		Introduction to Numerical Methods for Chem. Bio. Engineers	3	O	Jihan Kim		MAS101, MAS102
CBE221		Molecular Thermodynamics and Energy Systems	3	O	Jong Duk Kim		
CBE261		Biochemical Engineering	3	O	Ki Jun Jeong		
CBE303		Physical Chemistry for Chemical and Biomolecular Engineers I	3	O	Minkee Choi		
CBE321		Separation Processes	3		Won Hi Hong		CBE202, CBE221
CBE332		Heat and Molecular Transfer	3	O	Sung Gap Im		
CBE362		생물정보학	3	O	Yoosik Kim		
CBE442		Chemical and Biomolecular Engineering Capstone Design Project	3	O	Sheng Li	O	CBE311, CBE321, CBE441
CBE455		Nanochemical Technology	3	O	Si Young Choi	O	
CBE462		Bioseparation Engineering	3	O	Hyun Gyu Park	O	
CBE481		Special Topics in Chemical and Biomolecular Engineering<Venture startup and management>	3	O	Sunwon Park	O	
CBE496		Seminar for Undergraduate Students	1		Minkee Choi	O	
CBE533		Fundamentals of Microstructured Fluid Flow	3	O	O Ok Park	O	
CBE543		Process Systems Engineering Theories and Methods	3	O	Jay H. Lee	O	
CBE554		Physical Principles of Polymers	3		Jung Ki Park	O	
CBE602		Problem Solving in Chemical and Biomolecular Engineering	3	O	Hyunjoo Lee		
CBE611		Theory of Catalysis	3	O	Seong Ihl Woo	O	
CBE621		Phase Equilibria and Physical Properties		O	Huen Lee		
CBE631		Microfluidics	3	O	Do Hyun Kim		
CBE641		Advanced Process Design	3	O	Jae W. Lee		
CBE682		Organic Nano-Structured Materials	3	O	Hee Tae Jung		
CBE771		Advanced Reaction Engineering	3	O	Hee Tak Kim		
CBE773	A	Recent Topics in Chemical & Biomolecular Engineering<Capillarity and Wetting Phenomena>	3	O	Shin Hyun Kim		
CBE773	B	Recent Topics in Chemical & Biomolecular Engineering<Drug Delivery>	3	O	Yeu-Chun Kim		
CBE773	C	Recent Topics in Chemical & Biomolecular Engineering<Design of Quantum Materials>	3	O	Doh Chang Lee		
CBE773	D	Recent Topics in Chemical & Biomolecular Engineering<Hanwha Chemical R&D special lecture on chemical industry>	3		Staff		
CBE966		Seminar<Master Student>	1		Minkee Choi		

KAIST CBE
2017 Spring Course Offering

2016-07-06

Course No.	Section	Course Title	Credit	Instructor	Course for both UG/GR	Prerequisite Course
CBE202		생명화학공학개론	3	김신현		
CBE203		공업유기화학	3	리생		
CBE205		생화공해석	3	이도창		MAS101, MAS102
CBE260		생명분자공학	3	김유천		
CBE301		생명화학공학실험	3	최민기		
CBE311		분자반응공학	3	이현주		
CBE331		화공유체역학	3	임성갑		CBE205
CBE341		공정모사와 제어	3	이재형		
CBE351		고분자공학개론	3	박정기		
CBE441		공정 및 제품 디자인	3	이재우		CBE202, CBE221, CBE321
CBE473		미세전자공정	3	김도현		
CBE496		세미나	1	staff	O	
CBE503		화공수치해석	3	김도현	O	
CBE522		계면공학	3	김종득	O	
CBE523		윤속분리공정	3	홍원희		
CBE542		공정최적화	3	박선원		
CBE552		고분자재료공학	3	박오욱		
CBE556		고분자구조와 물성	3	김희탁		
CBE569		핵산공학	3	박현규	O	
CBE601		생명화학공학 연구방법론	3	박승빈	O	
CBE602		생명화학공학의 문제해결	3	최시영	O	
CBE621		상평형과 물성론	3	이훈	O	
CBE652		고분자특성화	3	김범준		CBE351
CBE664		재조합미생물공정	3	정기준		
CBE761		생물공정해석 및 제어	3	김유식		CBE564
CBE966		세미나	1	staff		

KAIST CBE
2017 Spring Course Offering

2016-07-06

Course No.	Section	Course Title	Credit	Instructor	Course for both UG/GR	Prerequisite Course
CBE202		Introduction to Chemical and Biomolecular Engineering	3	Shin Hyun Kim		
CBE203		Industrial Organic Chemistry	3	Sheng Li		
CBE205		Chemical and Biomolecular Engineering Analysis	3	Doh Chang Lee		MAS101, MAS102
CBE260		Biomolecular Engineering	3	Yeu-Chun Kim		
CBE301		Chemical and Biomolecular Engineering Laboratory	3	Minkee Choi		
CBE311		Molecular Reaction Engineering	3	Hyunjoo Lee		
CBE331		Fluid Mechanics for Chemical Engineering	3	Sung Gap Im		CBE205
CBE341		Process Simulation and Control	3	Jay H. Lee		
CBE351		Introduction to Macromolecular Engineering	3	Jung Ki Park		
CBE441		Techniques of Process & Product Design	3	Jae W. Lee		CBE202, CBE221, CBE321
CBE473		Microelectronics Processes	3	Do Hyun Kim		
CBE496		Seminar for Undergraduate Students	1	staff	O	
CBE503		Numerical Methods for Chemical Engineers	3	Do Hyun Kim	O	
CBE522		Introduction to Interfacial Engineering	3	Jong Duk Kim	O	
CBE523		Introduction to Interfacial Engineering	3	Won Hi Hong		
CBE542		Process Optimization	3	Sunwon Park		
CBE552		Materials Engineering of Polymers	3	O Ok Park		
CBE556		Structure and Properties of Macromolecules	3	Hee Tak Kim		
CBE569		Nucleic Acid Engineering	3	Hyun Gyu Park	O	
CBE601		Research Methodology for Chemical and Biomolecular Engineers	3	Seung Bin Park	O	
CBE602		Problem Solving in Chemical and Biomolecular Engineering	3	Si Young Choi	O	
CBE621		Phase Equilibria and Physical Properties	3	Huen Lee	O	
CBE652		Polymer Characterization	3	Bumjoon Kim		CBE351
CBE664		재조합미생물공정	3	Ki Jun Jeong		
CBE761		생물공정해석 및 제어	3	Yoosik Kim		CBE564
CBE966		Seminar<Master Student>	1	staff		