INHA University

List of Major Courses in English

전공영어교과과정 트랙 교과목 안내 | 인하대학교

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College of Engineering

Mechanical Engineering | 기계공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
MEG2076	Linear Algebra	선형대수	○	○	3
MEG2101	Mechanics of Materials 1	재료역학 1	○		3
MEG2120	Thermodynamics 1	열역학 1	○		3
MEG2160	Dynamics 1	동역학 1	○		3
MEG2221	Thermodynamics 2	열역학 2		○	3
MEG2250	Fluid Mechanics 1	유체역학 1		○	3
MEG3077	Numerical Analysis	수치해석	○	○	3
MEG3151	Fluid Mechanics 2	유체역학 2	○		3
MEG3165	Automatic Control	자동제어	○		3
MEG3185	General Design of Mechanical Engineering 1	기계공학일반설계 1	○		3
MEG3227	Heat Transfer	열전달		○	3
MEG3266	Mechanical Measurement	계측공학		○	3
MEG3286	General Design of Mechanical Engineering 2	기계공학일반설계 2		○	3
MEG4080	Capstone Design in Mechanical Engineering	기계공학종합설계	○	○	3
MEG4228	Renewable Energy Technology	신재생에너지공학		○	3
MEG4254	Computational Fluids Engineering	전산유체공학		○	3
MEG4267	Robotics	로봇공학		○	3

College of Engineering

Naval Architecture & Ocean Eng. | 조선해양공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
NOE1011	Int. to Naval Architecture & Ocean Eng	조선해양공학개론	○		3
NOE2004	Fluid Mechanics	유체역학		○	3
NOE3101	Resistance	저항론	○		3
NOE3108	Propulsion	추진론		○	3
NOE3306	Production System Engineering	생산시스템공학		○	3
NOE3405	Dynamics of Ocean Mooring System	해양계류시스템동력학	○		3
NOE4002	Capstone Design in Naval Architecture and Ocean Engineering	조선해양종합설계		○	3
NOE4201	CAE Practices for Marine Structures	조선해양CAE활용		○	3
NOE4301	Basic theory of finite element analysis	기초유한요소해석	○		3
NOE4306	Heat Transfer	열전달	○		3
NOE4310	3D CAD Modeling & Exercise	3차원 CAD실습		○	3
NOE4405	Design of Marine Pipeline	해저관로설계	○		3

College of Engineering

Industrial Engineering | 산업경영공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
IEN2012	Introduction to cost management and engineering economics	원가와 경제성공학		○	3
IEN2201	Database Design	데이터베이스설계		○	3
IEN3022	e-Business(Capstone Design)	e비즈니스		○	3
IEN3202	Industrial Information System	산업정보화	○		3
IEN3204	Information Retrieval	정보검색론		○	3
IEN4103	Production Economics	생산경제학	○		3
IEN4206	Capstone Design in Patent Information System	특허정보론	○		3
IEN4208	Financial Engineering	금융공학		○	3
IEN3016	Management Science 2	경영과학2	○		3

College of Engineering

Chemical Engineering | 화학공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
CHE2108	Materials Science	재료과학	○		3
CHE3201	Chemical Reaction Engineering	화학반응공학	○		3
CHE3207	Chemical Engineering Thermodynamics	화공열역학	○		3
CHE4100	Capstone Design in Chemical Engineering	화학공학 종합설계	○	○	3
CHE3210	Process Control	공정제어	○		3
CHE4203	Transport Phenomena	이동현상	○		3
CHE4204	Catalyst Engineering	촉매공학		○	3
CHE4307	Physical Properties of Polymers	고분자물성		○	3
CHE4308	Polymer Chemistry	고분자화학	○		3
ORG3302	Biotechnology	바이오소재		○	3

College of Engineering

Biological Engineering | 생명공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
BTE2101	Organic Chemistry1	유기화학 1	○		3
BTE2202	Transport phenomena for bioengineer	생공이동현상		○	3
BTE2204	Biochemical Engineering Calculations	생물공학기초계산		○	3
BTE2206	Instrumental Analysis in Bioengineering	생공기기분석		○	3
BTE2207	Organic Chemistry2	유기화학 2		○	3
BTE3101	Biochemical Engineering	생물화학공학	○		3
BTE3106	Introduction to Nanobiotechnology	나노바이오공학개론	○		3
BTE3109	Cell Culture Engineering	세포배양공학	○		3
BTE3112	Biological Reaction Engineering	생물반응공학	○		3
BTE3211	Functional nanomaterials for Bio-imaging	기능성 나노소재설계 및 바이오이미징	○		3
BTE4107	Bioprocess Engineering	생물공정공학		○	3
BTE4201	Capstone Design in Biological Engineering	생명공학종합설계	○	○	3
BTE4202	Bioseparation Engineering	생물분리공학		○	3
BTE4203	Food Biotechnology	식품생물공학		○	3
BTE4205	Biomaterials Engineering	생체재료공학	○		3
BTE4209	Tissue Engineering	조직공학		○	3

College of Engineering

Materials Science & Engineering | 신소재공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
MSE2002	Materials Science and Engineering 2	재료과학 2		○	3
MSE2003	Physical Chemistry 1	물리화학 1	○		3
MSE2004	Physical Chemistry 2	물리화학 2		○	3
MSE2009	Physical Metallurgy	물리금속학	○		3
MSE3003	Thermodynamics of Materials	재료열역학	○		3
MSE3004	Phase Transformation	상변태론		○	3
MSE3009	Electronic Properties of Materials	전자재료물성	○		3
MSE3016	Mass Transport Phenomena	물질이동현상	○		3
MSE3025	Solid State Electronic Devices	반도체소자	○		3
MSE4006	Electrochemical Devices	전기화학소자	○		3
MSE4007	Nano-Properties and Synthesis	나노물성 및 합성		○	3
MSE4009	Engineering of Semiconductor Materials	반도체공학		○	3
MSE4012	Kinetics of Solid State Reaction	고체반응론	○		3
MSE4001	Capstone Design in Materials Science and Engineering	신소재공학종합설계		○	4
MSE4013	Electronic Packaging Materials	전자패키지재료	○		3

College of Engineering

Civil Engineering | 사회인프라공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
CIV2411	Environmental Engineering and Lab	환경공학 및 실험	○		3
CIV2420	Energy Resources	에너지자원		○	3
CIV3100	Structural Analysis	구조해석	○		3
CIV3110	Advanced Structural Analysis	구조해석응용		○	3
CIV3211	Soil Mechanics and Lab	토질역학 및 실험		○	3
CIV3220	Geotechnical Engineering and Lab	지반공학 및 실험	○	○	3
CIV3330	Hydrology	수문학	○		3
CIV3340	Design of Hydrologic and Hydraulic Systems	수공시스템설계		○	3
CIV3430	Water Supply & Wastewater Eng.	상하수도공학		○	3
CIV4210	Foundation Engineering	플랜트 기초공학	○		3
CIV4220	Rock Engineering	암반공학		○	3
CIV4230	Design of Geosystems	지반시스템설계	○		3

College of Engineering

Environmental Engineering | 환경공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ENV2007	Basic Calculation in Environmental Engineering	환경공학계산	○		3
ENV3108	Industrial wastewater treatment Design	산업폐수처리		○	3
ENV3110	Physicochemical Water Treatment	물리화학적수처리	○		3
ENV3111	Biological Water Treatment	생물학적수처리		○	3
ENV3206	Environmental Energy Engineering	환경에너지공학	○		3
ENV2004	Fluid Mechanics	유체역학	○		3
ENV4403	Design of soil and groundwater remediation	토양 및 지하수 복원설계	○		3

College of Engineering

Energy Resource Engineering | 에너지자원공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ENR2104	Energy Resources Economics	에너지자원경제		○	3
ENR2301	Petroleum Geology	석유지질		○	3
ENR3101	Energy Resources Management	에너지자원경영	○		3
ENR3103	Geostatistics	지구통계학	○		3
ENR3202	Rock mechanics and Laboratory	암석역학 및 실험	○		4
ENR3204	Mining Engineering	자원개발공학		○	3
ENR3206	Energy Resources Environment	에너지자원환경		○	3
ENR3305	Introduction to Petroleum Engineering	석유가스공학개론		○	3
ENR3302	Well Logging	물리검층		○	3
ENR3303	Drilling engineering	시추공학	○		3
ENR3304	Seismic Exploration	탄성파 탐사		○	3
ENR4103	Energy Policy	에너지정책		○	3
ENR4201	Blasting and excavation engineering	발파 및 굴착공학	○		3
ENR4203	Capstone Design in Mine	자원개발종합설계		○	3
ENR4205	Tunnel and underground space engineering	터널 및 지하공간공학		○	3
ENR4207	Geo and Ground Water Engineering	지반 및 지하수공학	○		3
ENR4309	Petroleum production engineering	석유생산 및 설비	○		3
ENR4302	Reservoir Engineering	저류공학	○		3
ENR4310	Geophysical data processing based on machine learning	머신러닝 기반 지구물리자료처리	○		3
ENR4308	Design and Evaluation of Unconventional Resources Development(Capstone Design)	비전통자원개발 설계 및 평가		○	3

College of Engineering

Electrical Engineering | 전기공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
EEE2001	Engineering Circuit Analysis 1	회로이론 1	○		3
EEE2002	Engineering Circuit Analysis 2	회로이론 2		○	3
EEE2005	Digital Logic Circuits	디지털논리회로		○	3
EEE3019	Electrical & Electronic measurements	전기전자계측		○	3
EEE3102	Control System Capstone Design	제어시스템설계		○	3
EEE3104	Signals and Systems	신호 및 시스템	○		3
EEE3108	Sensor Engineering	센서공학	○		3
EEE3114	Automatic Control	자동제어	○		3
EEE3206	Electronic Display	전자디스플레이		○	3
EEE3303	Power System Engineering1	전력시스템공학 1	○		3
EEE3304	Power System Engineering2	전력시스템공학 2		○	3
EEE4001	Capstone Design in Electrical Engineering	전기공학 종합설계	○		3
EEE3105	Computer Control(Capstone Design)	컴퓨터제어		○	3
EEE3112	Robotics	로봇공학	○		3
EEE3322	Theories and Applications of Power Systems for Electric Energy Conversion	에너지 변환용 대형 전력시스템의 이해	○		3

College of Engineering

Electronic Engineering | 전자공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ECE3327	Database	데이터베이스		○	3
ECE4415	Mixed-Signal Circuit Design	혼성신호집적회로설계		○	4
ECE4445	Embedded System	임베디드시스템		○	3
ECE4400	Audio Signal Processing	오디오신호처리	○		4
ECE2250	Electronic Circuits1	전자회로 1		○	3
ECE3312	Communication System	통신시스템		○	3
ECE3314	Data Structure	데이터구조	○		3
ECE3320	Signal and System	신호및시스템	○		3
ECE3325	Operating System	운영체제		○	3
ECE3350	Probability and Statistics	확률및통계	○	○	3
ECE4325	Video System Capstone Design	영상시스템설계	○		4
ECE4343	Analog Circuit Capstone Design	아날로그회로설계	○		4
ECE4401	Introductory Digital Signal Processing	디지털신호처리개론		○	3
ECE4413	Mobile Communications	이동통신		○	3
ECE4466	VLSI Capstone Design and Project	VLSI설계및프로젝트실습	○		4

College of Engineering

Information & Communication Eng. | 정보통신공학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ICE1001	Introductory Information & Communication	정보통신입문	○		3
ICE2002	Engineering Circuits Analysis	회로이론	○		3
ICE2005	Electronic Circuits 1	전자회로 1		○	3
ICE3001	Signals and Systems	신호및시스템		○	3
ICE3104	Semiconductor Engineering	반도체공학	○		3
ICE3005	Electronics Circuits 2	전자회로 2	○		3
ICE3106	Analog Integrated Circuit Design	아날로그 집적회로설계		○	4
ICE3013	System Programming	시스템프로그래밍	○		3
ICE3014	Operating System	오퍼레이팅시스템		○	3
ICE4020	Information Security	정보보호론		○	3
ICE4024	Capstone Design in ICT	정보통신종합설계	○	○	3
ICE4026	Information and Coding Theory	정보및부호화이론		○	3
ICE4027	Digital Image Processing and Design	디지털영상처리설계	○		4

College of Natural Sciences

Physics | 물리학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
PHY3202	Mathematical Physics 2	수리물리학 2		○	3
PHY3006	Theory of Relativity	상대성이론		○	3
PHY2230	Computational physics	전산물리학		○	3
PHY3032	Thermodynamics and Statistical Mechanics 2	열 및 통계역학 2		○	3
PHY4404	Semiconductor Physics	반도체물리학	○		3
PHY4501	Nuclear Physics	핵물리학	○		3
PHY4235	Big data physics	빅데이터 물리학	○		3
PHY4502	Particle Physics	입자물리학		○	3

College of Natural Sciences

Ocean Sciences | 해양과학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
OCN2202	Coastal Geomorphology and Lab	해저지형학 및 실험	○		3
OCN2302	Marine Meteorolgy	해양기상학	○		3
OCN2312	Environmental Fluid Mechanics for Ocean Science	해양환경유체역학 및 실험		○	3
OCN2502	Introduction to Marine Benthology	해양저서생물학 입문 및 실험		○	3
OCN3203	Sedimentology and Lab	퇴적학 및 실험	○		3
OCN3206	Coastal Sediment Dynamics and Lab	연안퇴적역학 및 실험		○	3
OCN3305	Introduction to Ocean Circulation	해양순환개론		○	3
OCN3307	Numerical analysis and programming for ocean science	해양수치해석 및 프로그래밍		○	3
OCN3504	Marine Invertebrate Zoology and Lab	해양무척추동물의 다양성 및 실험	○		3
OCN4212	Coastal Sedimentary Environments and Lab	연안퇴적환경론 및 실험	○		3
OCN4213	Sequence of strata andPaleo-depositionalenvironmentsandLab	층서학 및 실험		○	3
OCN4308	Estuarine and Coastal Hydrodynamics	하구 및 연안물리학		○	3
OCN4314	Problem solving-AI-Numericl modelling for ocean science	문제해결형 해양-AI-모델링		○	3
OCN4407	Isotope geochemistry	동위원소지화학		○	3
OCN4509	Estuarine Ecology and Lab	하구생태학 및 실험	○		3
OCN4512	Marine Animal Behavior and Lab.	해양동물행동학 및 실험		○	3
OCN4405	Coastal Biogeochemistry	연안생지화학		○	3

College of Business Administration

Business Administration | 경영학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
BUS2101	Financial Management	재무관리	○	○	3
BUS2201	Organizational Behavior	조직행동		○	3
BUS2301	Financial Accounting	재무회계	○	○	3
BUS2401	Operations Management	오퍼레이션스 매니지먼트	○		3
BUS2501	Principles of Maketing	마케팅 원론	○	○	3
BUS3201	leadership	리더십	○		3
BUS3204	Human Resource Management	인적자원관리		○	3
BUS3701	CSR Strategy&Cases	CSR경영전략과 사례	○		3
BUS3901	Introduction to Hospitality Management	환대 서비스 개론	○	○	3
BUS3510	Digital Marketing	디지털마케팅		○	3
BUS3406	Six Sigma Quality Management	식스 시그마 품질관리		○	3

College of Business Administration

Global Finance and Banking | 글로벌금융학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
BUS2101	Financial Management	재무관리		○	3
GFB2101	Macroeconomics	미시경제	○		3
GFB2401	Financial Market	금융시장론		○	3
GFB3201	Financial Derivatives	파생상품	○		3
GFB3401	Financial institution management	금융기관경영	○		3
GFB3403	Money and Banking	화폐금융	○		3
GFB3405	International Finance and Banking	국제금융	○		3

College of Business Administration

Logistics | 아태물류학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
APL2103	Global Logistics Management	국제물류론	○		3
APL2202	Manufacturing Logistics	제조물류		○	3
APL2302	Logistics Decision Making Theory	물류의사결정론	○		3
APL3304	Airline Service Management	물류네트워크 분석		○	3
APL3306	Logistics Information System	물류정보시스템		○	3
APL3308	Logistics Simulation	물류시뮬레이션	○		3
APL3510	Cost-Benefit Analysis on Logistics Issues	물류투자분석		○	3
APL4315	Technology Management in Logistics	물류기술경영	○		3
APL4418	Intermodal Transportation	국제복합운송	○		3
APL4420	Seminar on Global Logistics Excellence	글로벌물류혁신세미나		○	3
APL4517	Demand Forecasting Methods and Practice	수요예측	○		3

College of Education

English Language Education | 영어교육

Course Number	Course Title		Spring Semester	Fall Semester	Credit
EEG1513	Introduction to English Education & Career research	영어교육입문및진로탐색		○	3
EEG1521	English Listening Comprehension 1	영어청해연습 1	○		3
EEG1522	English Reading Comprehension 1	영문독해연습 1	○		3
EEG1531	Practical English Grammar	실용영문법	○		3
EEG2521	Curriculum & Materials Development in English Education	영어과교육과정및교재개발	○		3
EEG2602	English Reading Comprehension 2	영문독해연습 2		○	3
EEG2612	Theories in TEFLL	영어교육론		○	3
EEG2621	English Listening Comprehension 2	영어청해연습 2		○	3
EEG2642	Introduction to English Literature	영문학개론		○	3
EEG3327	English Reading Comprehenshion 3	영문독해연습 3	○		3
EEG3346	English Vocabulary Practice	영어어휘연습		○	3
EEG3370	Development of EFL teaching skills	영어과교수능력계발	○		3
EEG3705	Materials and Methods in TEFL (Capstone Design)	영어교재연구및지도법		○	3
EEG4347	British and American Drama	영미희곡교육	○		3
EEG4405	English process-based assessment	영어과정중심평가	○		3
EEG4406	English Language Teaching method	영어교수법	○		3
EEG4417	Topics in English Education	영어교육특강		○	3

Course Number	Course Title		Spring Semester	Fall Semester	Credit
EEG4431	Topics in English Linguistics	영어학특강		○	3
EEG4805	Reading in English and American Fiction	영미소설교육	○		3

College of Social Science

Public Administration | 행정학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
PAD2111	The Public Policy Process:Theory & Practice	정책과정론	○		3
PAD2112	Organizational Theory	조직이론	○		3
PAD2116	Readings in Public Administration 2	행정학 원강 2	○		3
PAD2209	Introduction to Public Policy Studies	정책학원론		○	3
PAD2214	Reading in Public Administration 1	행정학 원강 1		○	3
PAD2218	Public Sector Problem-Solving Theories	공공문제해결론		○	3
PAD3108	Financial Administration	재무행정론	○		3
PAD3211	Organizational Management and Leadership	조직관리와 리더십		○	3

College of Social Science

Media and Communication 미디어커뮤니케이션학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
COM1100	Introduction to Communications	커뮤니케이션학개론	○	○	3
COM2332	Genres in Popular Culture	Genres in Popular Culture		○	3
COM2400	Introduction to Advertising	광고학개론	○	○	3
COM3101	English Readgins on Communication	커뮤니케이션 영어원강	○		3
COM3212	Social Media and Communication	소셜미디어와 커뮤니케이션		○	3
COM3322	Cultural Studies and Cyberspace	Cultural Studies and Cyberspace		○	3
COM3331	Media Narratives	Media Narratives	○		3
COM3412	Integrated Marketing Communication	통합마케팅 커뮤니케이션		○	3
COM3433	Sales Promotion Strategy	판매촉진전략	○		3
COM4321	Orientalism in Media & Culture	Orientalism in Media & Culture	○		3
COM4331	Gender and Culture Studies	Gender and Cultural Studies	○		3
COM4332	Theories of Film and Vedio	영화·비디오이론		○	3

College of Social Science

Economics | 경제학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ECO1101	Principles of Economics1	경제원론 1	○		3
ECO1102	Principles of Economics2	경제원론 2		○	3
ECO2201	Microeconomics	미시경제학		○	3
ECO2202	Macroeconomics	거시경제학		○	3
ECO3387	Economic Growth	경제성장론		○	3
ECO3306	The Analystic Study for Economic Problems	경제문제연구	○	○	3
ECO3343	Labour Economics	노동경제학	○(2년에 1회)		3
ECO3381	Economic Development	경제발전론		○(2년에 1회)	3

College of Humanities

English Language & Literature | 영어영문학

Course Number	Course Title		Spring Semester	Fall Semester	Credit
ENG1401	English Discussion & Presentation	영어토론과프레젠테이션	○	○	3
ENG3404	Advanced English Discussion & Presentation	고급영어토론과프레젠테이션	○	○	3
ENG2006	Media English	미디어영어		○	3
ENG1402	Introduction to English Literature	영문학개론	○	○	3
ENG2103	British & American Short Stories	영미단편소설		○	3
ENG2105	Children's & Young Adult Literature in English	영미아동청소년문학		○	3
ENG2201	Introduction to English Linguistics	영어학개론	○	○	3
ENG2401	Expressive Writing	표현영어글쓰기	○	○	3
ENG2303	Technical Writing	기술영어글쓰기	○	○	3
ENG3402	Curtural Archetypes of the West and Media	서구문화원형과 미디어		○	3
ENG3208	English in Societies	사회와 영어		○	3
ENG3311	Analytic Writing	분석영어글쓰기		○	3
ENG4122	Understanding of the British Commonwealth(CapstoneDesign)	영연방 세계의 이해		○	3

Arts and Sports

Kinesiology | 스포츠과학전공

Course Number	Course Title		Spring Semester	Fall Semester	Credit
KIN1017	Human Anatomy	인체기능해부학	○		3
KIN1101	Growth & Aging	발육발달및노화	○		3
KIN2016	Sport Business Administration	스포츠경영학		○	3
KIN2103	Exercise Physiology	운동생리학	○		3
KIN3016	Profession of Sport in English	스포츠전문영어	○		2
KIN3110	Special Populations and Exercise	특수집단과운동		○	3
KIN3208	Sports Marketing	스포츠마케팅	○		3
KIN4103	Pothological Physiology	병태생리학		○	3
KIN3112	Sports Injuries	운동손상학	○		3
KIN3113	Evaluation & Practice of Sports Injuries	운동손상평가및실습		○	3