No.	College	Major	Course Number	Course Title(Kore)	Course Title(Eng)	Spring	Autumn	Credits	2022-1 OPEN
1	College of Engineering	Mechanical Engineering	MEG2076	선형대수	Linear Algebra	0	0	3	N
2	College of Engineering	Mechanical Engineering	MEG2101	재료역학 1	Mechanics of Materials 1	0		3	Υ
3	College of Engineering	Mechanical Engineering	MEG2120	열역학 1	Thermodynamics 1	0		3	N
4	College of Engineering	Mechanical Engineering	MEG2160	동역학 1	Dynamics 1	0		3	Υ
5	College of Engineering	Mechanical Engineering	MEG2221	열역학 2	Thermodynamics 2		0	3	N
6	College of Engineering	Mechanical Engineering	MEG2250	유체역학 1	Fluid Mechanics 1		0	3	N
7	College of Engineering	Mechanical Engineering	MEG3077	수치해석	Numerical Analysis	0	0	3	Υ
8	College of Engineering	Mechanical Engineering	MEG3151	유체역학 2	Fluid Mechanics 2	0		3	N
9	College of Engineering	Mechanical Engineering	MEG3165	자동제어	Automatic Control	0		3	N
10	College of Engineering	Mechanical Engineering	MEG3185	기계공학일반설계 1	General Design of Mechanical Engineering 1	0		3	Υ
11	College of Engineering	Mechanical Engineering	MEG3227	열전달	Heat Transfer		0	3	N
12	College of Engineering	Mechanical Engineering	MEG3266	계측공학	Mechanical Measurement		0	3	N
13	College of Engineering	Mechanical Engineering	MEG3286	기계공학일반설계 2	General Design of Mechanical Engineering 2		0	3	N
14	College of Engineering	Mechanical Engineering	MEG4080	기계공학종합설계	Capstone Design in Mechanical Engineering	0	0	3	N
15	College of Engineering	Mechanical Engineering	MEG4228	신재생에너지공학	Renewable Energy Technology		0	3	N
16	College of Engineering	Mechanical Engineering	MEG4254	전산유체공학	Computational Fluids Engineering		0	3	N
17	College of Engineering	Mechanical Engineering	MEG4267	로봇공학	Robotics		0	3	N
18	College of Engineering	Naval Architecture & Ocean Engineering	NOE1011	조선해양공학개론	Int. to Naval Architecture & Ocean Eng	0		3	Υ
19	College of Engineering	Naval Architecture & Ocean Engineering	NOE2004	유체역학	Fluid Mechanics		0	3	N
20	College of Engineering	Naval Architecture & Ocean Engineering	NOE3101	저항론	Resistance	0		3	N
21	College of Engineering	Naval Architecture & Ocean Engineering	NOE3108	추진론	Propulsion		0	3	N
22	College of Engineering	Naval Architecture & Ocean Engineering	NOE3306	생산시스템공학	Production System Engineering		0	3	N
23	College of Engineering	Naval Architecture & Ocean Engineering	NOE3405	해양계류시스템동력학	Dynamics of Ocean Mooring System	0		3	N
24	College of Engineering	Naval Architecture & Ocean Engineering	NOE4002	조선해양종합설계	Capstone Design in Naval Architecture and Ocean Engineering		0	3	N
25	College of Engineering	Naval Architecture & Ocean Engineering	NOE4201	조선해양CAE활용	CAE Practices for Marine Structures		0	3	N
26	College of Engineering	Naval Architecture & Ocean Engineering	NOE4301	기초유한요소해석	Basic theory of finite element analysis	0		3	N
27	College of Engineering	Naval Architecture & Ocean Engineering	NOE4306	열전달	Heat Transfer	0		3	N
28	College of Engineering	Naval Architecture & Ocean Engineering	NOE4310	3차원 CAD실습	3D CAD Modeling & Exercise		0	3	N
29	College of Engineering	Naval Architecture & Ocean Engineering	NOE4405	해저관로설계	Design of Marine Pipeline	0		3	Υ
30	College of Engineering	Industrial Engineering	IEN2012	원가와 경제성공학	Introduction to cost management and engineering economics		0	3	N
31	College of Engineering	Industrial Engineering	IEN2201	데이터베이스설계	Database Design		0	3	N
32	College of Engineering	Industrial Engineering	IEN3022	e비즈니스	e-Business(Capstone Design)		0	3	N
33	College of Engineering	Industrial Engineering	IEN3202	산업정보화	Industrial Information System	0		3	Υ
34	College of Engineering	Industrial Engineering	IEN3204	정보검색론	Information Retrieval		0	3	N
35	College of Engineering	Industrial Engineering	IEN4103	생산경제학	Production Economics	0		3	Υ
36	College of Engineering	Industrial Engineering	IEN4206	특허정보론	Capstone Design in Patent Information System	0		3	N
37	College of Engineering	Industrial Engineering	IEN4208	금융공학	Financial Engineering		0	3	N
88	College of Engineering	Industrial Engineering	IEN3016	경영과학2	Management Science 2	0		3	Υ
39	College of Engineering	Chemical Engineering	CHE2108	재료과학	Materials Science	0		3	N
10	College of Engineering	Chemical Engineering	CHE3201	화학반응공학	Chemical Reaction Engineering	0		3	Y
41	College of Engineering	Chemical Engineering	CHE3207	화공열역학	Chemical Engineering Thermodynamics	0		3	Υ
42	College of Engineering	Chemical Engineering	CHE4100	화학공학 종합설계	Capstone Design in Chemical Engineering	0		3	Υ

	se lists are subject to change dat	e to departmental circumstances.							
No.	College	Major	Course Number	Course Title(Kore)	Course Title(Eng)	Spring	Autumn	Credits	2022-1 OPEN
43	College of Engineering	Chemical Engineering	CHE3210	공정제어	Process Control	0		3	Υ
44	College of Engineering	Chemical Engineering	CHE4203	이동현상	Transport Phenomena	0		3	Υ
45	College of Engineering	Chemical Engineering	CHE4204	촉매공학	Catalyst Engineering		0	3	N
46	College of Engineering	Chemical Engineering	CHE4307	고분자물성	Physical Properties of Polymers		0	3	N
47	College of Engineering	Chemical Engineering	CHE4308	고분자화학	Polymer Chemistry	0		3	Υ
48	College of Engineering	Chemical Engineering	ORG3302	바이오소재	Biotechnology		0	3	N
49	College of Engineering	Biological Engineering	BTE2101	유기화학 1	Organic Chemistry1	0		3	Υ
50	College of Engineering	Biological Engineering	BTE2202	생공이동현상	Transport phenomena for bioengineer		0	3	N
51	College of Engineering	Biological Engineering	BTE2204	생물공학기초계산	Biochemical Engineering Calculations		0	3	N
52	College of Engineering	Biological Engineering	BTE2206	생공기기분석	Instrumental Analysis in Bioengineering		0	3	N
53	College of Engineering	Biological Engineering	BTE2207	유기화학 2	Organic Chemistry2		0	3	N
54	College of Engineering	Biological Engineering	BTE3101	생물화학공학	Biochemical Engineering	0		3	Υ
55	College of Engineering	Biological Engineering	BTE3106	나노바이오공학개론	Introduction to Nanobiotechnology	0		3	Υ
56	College of Engineering	Biological Engineering	BTE3109	세포배양공학	Cell Culture Engineering	0		3	Υ
57	College of Engineering	Biological Engineering	BTE3112	생물반응공학	Biological Reaction Engineering	0		3	Υ
58	College of Engineering	Biological Engineering	BTE3211	기능성 나노소재설계 및 바이오이미징	Functional nanomaterials for Bio-imaging	0		3	N
59	College of Engineering	Biological Engineering	BTE4107	생물공정공학	Bioprocess Engineering		0	3	N
60	College of Engineering	Biological Engineering	BTE4201	생명공학종합설계	Capstone Design in Biological Engineering	0	0	3	Υ
61	College of Engineering	Biological Engineering	BTE4202	생물분리공학	Bioseparation Engineering		0	3	N
62	College of Engineering	Biological Engineering	BTE4203	식품생물공학	Food Biotechnology		0	3	N
63	College of Engineering	Biological Engineering	BTE4205	생체재료공학	Biomaterials Engineering	0		3	Υ
64	College of Engineering	Biological Engineering	BTE4209	조직공학	Tissue Engineering		0	3	N
65	College of Engineering	Materials Science and Engineering	MSE2002	재료과학 2	Materials Science and Engineering 2		0	3	N
66	College of Engineering	Materials Science and Engineering	MSE2003	물리화학 1	Physical Chemistry 1	0		3	Υ
67	College of Engineering	Materials Science and Engineering	MSE2004	물리화학 2	Physical Chemistry 2		0	3	N
68	College of Engineering	Materials Science and Engineering	MSE2009	물리금속학	Physical Metallurgy	0		3	N
69	College of Engineering	Materials Science and Engineering	MSE3003	재료열역학	Thermodynamics of Materials	0		3	Υ
70	College of Engineering	Materials Science and Engineering	MSE3004	상변태론	Phase Transformation		0	3	N
71	College of Engineering	Materials Science and Engineering	MSE3009	전자재료물성	Electronic Properties of Materials	0		3	N
72	College of Engineering	Materials Science and Engineering	MSE3016	물질이동현상	Mass Transport Phenomena	0		3	Υ
73	College of Engineering	Materials Science and Engineering	MSE3025	반도체소자	Solid State Electronic Devices	0		3	Υ
74	College of Engineering	Materials Science and Engineering	MSE4006	전기화학소자	Electrochemical Devices	0		3	Υ
75	College of Engineering	Materials Science and Engineering	MSE4007	나노물성 및 합성	Nano-Properties and Synthesis		0	3	N
76	College of Engineering	Materials Science and Engineering	MSE4009	반도체공학	Engineering of Semiconductor Materials		0	3	N
77	College of Engineering	Materials Science and Engineering	MSE4012	고체반응론	Kinetics of Solid State Reaction	0		3	Υ
78	College of Engineering	Materials Science and Engineering	MSE4001	신소재공학종합설계	Capstone Design in Materials Science and Engineering		0	4	N
79	College of Engineering	Materials Science and Engineering	MSE4013	전자패키지재료	Electronic Packaging Materials	0		3	Υ
80	College of Engineering	Civil Engineering	CIV2411	환경공학 및 실험	Environmental Engineering and Lab	0		3	Υ
81	College of Engineering	Civil Engineering	CIV2420	에너지자원	Energy Resources	-	0	3	N
82	College of Engineering	Civil Engineering	CIV3100	 구조해석	Structural Analysis	0		3	Υ
83	College of Engineering	Civil Engineering	CIV3110	 구조해석응용	Advanced Structural Analysis		0	3	N
84	College of Engineering	Civil Engineering	CIV3211	토질역학 및 실험	Soil Mechanics and Lab		0	3	N

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88 College of Engineering Civil Engineering Environmental Engineering E	3	N Y N Y Y N
89 College of Engineering Civil Engineering Environmental Eng	3	Y N Y Y N N N N
90 College of Engineering Civil Engineering Civ4220 임반공학 Rock Engineering O 91 College of Engineering Civ4200 지반시스템설계 Design of Geosystems ○ 92 College of Engineering Environmental Engineering ENV2007 한경조계산 Basic Calculation Environmental Engineering ENV3108 산업패수처리 Industrial wastewater treatment Design ○ 93 College of Engineering Environmental Engineering ENV3108 산업패수처리 Industrial wastewater treatment Design ○ 94 College of Engineering Environmental Engineering ENV3110 불리화작수처리 Physicochemical Water Treatment ○ 95 College of Engineering Environmental Engineering ENV3111 생물작수처리 Physicochemical Water Treatment ○ 96 College of Engineering Environmental Engineering ENV3206 환경에너지공학 Environmental Engry Engineering ○ 97 College of Engineering Environmental Engineering ENV2004 유체역학 Fluid Mechanics ○ 98 College of Engineering Environmental Engineering ENV2004 유체역학 Fluid Mechanics ○ 99 College of Engineering Department of Energy Resource Engineering ENR2104 에너지자원경제 Energy Resource Engineering ENR2104 이너지자원경제 Energy Resource Engineering ENR2201 광물과 암석 Minerals and Rocks 인구년으로 인해 미개설 College of Engineering Department of Energy Resource Engineering ENR3201 생물과 암석 Minerals and Rocks 인구년으로 인해 미개설 College of Engineering Department of Energy Resource Engineering ENR3101 에너지자원경제 Energy Resources Management ○ 103 College of Engineering Department of Energy Resource Engineering ENR3101 에너지자원경영 Energy Resources Management ○ 104 College of Engineering Department of Energy Resource Engineering ENR3201 광업학 Economic Geology 인구년으로 인해 미개설 College of Engineering Department of Energy Resource Engineering ENR3201 광업학 Economic Geology 인구년으로 인해 미개설 College of Engineering Department of Energy Resource Engineering ENR3202 암석역학 및 실험 Rock mechanics and Laboratory ○ 105 College of Engineering Department of Energy Resource Engineering ENR3202 암석역학 및 실험 Rock mechanics and Laboratory ○ 106 College of Engineering Department of Energy Resource Engineering ENR3202 암석역학 및 실험 Rock mechanics and Laboratory ○ 105 College of Engineering Department of Energy	3	N Y Y N Y
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8 College of Engineering Environmental Engineering ENV4403 토양 및 지하수 복원설계 Design of soil and groundwater remediation 이 의 College of Engineering Department of Energy Resource Engineering ENR2104 에너지자원경제 Energy Resources Economics 이 의 이너지자원경제 Petroleum Geology 이 이 의 이 이너지자원경제 Energy Resource Engineering ENR3101 에너지자원경제 Energy Resources Management 이 의 이너지자원경제 Energy Resources Engineering ENR3101 에너지자원경제 Energy Resources Engineering ENR3101 에너지자원경제 Energy Resource Engineering ENR3201 이 이너지자원환경 Economic Geology 연구년으로 인해 미개설 Engineering ENR3202 암석역학 및 실험 Rock mechanics and Laboratory 이 의 이 이 Engineering ENR3204 자원개발공학 Mining Engineering 이 ENR3204 자원개발공학 Mining Engineering 이 의 이 Energy Resource Engineering ENR3206 에너지자원환경 Energy Resources Environment 이 Energy Resource Engineering ENR3305 역유가스공학개론 Introduction to Petroleum Engineering 이 ENR3305 이 이너지자원환경 Energy Resource Engineering ENR3305 이 된 Energy Resource Engineering ENR3305 이 된 Energy Engineering Engineering ENR3305 이 된 Energy Engineering Engineering Engineering Engineerin	_	Ť
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103 College of Engineering Department of Energy Resource Engineering ENR3103 지구통계학 Geostatistics 이 연구년으로 인해 미개설 ENR3201 항상학 Economic Geology 연구년으로 인해 미개설 ENR3202 안석역학 및 실험 Rock mechanics and Laboratory 이 전에너지자원한경 Energy Resource Engineering ENR3204 자원개발공학 Mining Engineering 이 Department of Energy Resource Engineering ENR3204 자원개발공학 Mining Engineering 이 전에너지자원한경 Energy Resource Engineering ENR3206 에너지자원한경 Energy Resource Environment 이 전에너지자원한경 Energy Resource Engineering ENR3305 선유가스공학개론 Introduction to Petroleum Engineering 이 전에너지와 Department of Energy Resource Engineering ENR3302 물리검층 Well Logging 이 전에너지와 Department of Energy Resource Engineering ENR3303 시추공학 Drilling engineering O Dilling engineering O Department of Energy Resource Engineering ENR3303 시추공학 Drilling engineering O Drilling en	3 [N
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108 College of Engineering Department of Energy Resource Engineering ENR3305 석유가스공학개론 Introduction to Petroleum Engineering 이 College of Engineering Department of Energy Resource Engineering ENR3302 물리검층 Well Logging 이 110 College of Engineering Department of Energy Resource Engineering ENR3303 시추공학 Drilling engineering 이 110 College of Engineering Department of Energy Resource Engineering ENR3303 시추공학 Drilling engineering 이 110 College of Engineering Department of Energy Resource Engineering ENR3303 시추공학 Drilling engineering O 110 College of Engineering Department of Energy Resource Engineering ENR3303 시추공학 Drilling engineering O 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department of Energy Resource Engineering ENR3303 N 1 전 110 College of Engineering Department O 1 College of Engineering Department O	3 1	N
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111 College of Engineering Department of Energy Decourse Engineering FMD2204 FMTLEN	3	Υ
111 College of Engineering Department of Energy Resource Engineering ENR3304 탄성파탐사 Seismic Exploration ○	3 1	N
112 College of Engineering Department of Energy Resource Engineering ENR4103 에너지정책 Energy Policy 🔘	3 1	N
113 College of Engineering Department of Energy Resource Engineering ENR4201 발파 및 굴착공학 Blasting and excavation engineering ○	3	Υ
114 College of Engineering Department of Energy Resource Engineering ENR4203 자원개발종합설계 Capstone Design in Mine 🔘	3 1	N
115 College of Engineering Department of Energy Resource Engineering ENR4204 지구화학 및 탐사 Geochemistry and Geochemical Exploration 연구년으로 인해 미개설	3 1	N
116 College of Engineering Department of Energy Resource Engineering ENR4205 터널 및 지하공간공학 Tunnel and underground space engineering ○	3 1	N
117 College of Engineering Department of Energy Resource Engineering ENR4207 지반 및 지하수공학 Geo and Ground Water Engineering ○	3 1	N
118 College of Engineering Department of Energy Resource Engineering ENR4309 석유생산 및 설비 Petroleum production engineering ○	3 1	N
119 College of Engineering Department of Energy Resource Engineering ENR4302 저류공학 Reservoir Engineering 이	3	Υ
120 College of Engineering Department of Energy Resource Engineering ENR4310 머신러닝 기반 지구물리자료처리 Geophysical data processing based on machine learning	3	Υ
121 College of Engineering Department of Energy Resource Engineering ENR4308 비전통자원개발 설계 및 평가 Design and Evaluation of Unconventional Resources Development(Capstone Design)	3 1	N
122 College of Engineering Electrical Engineering EEE2001 회로이론 1 Engineering Circuit Analysis 1	3	Υ
123 College of Engineering Electrical Engineering EEE2002 회로이론 2 Engineering Circuit Analysis 2	3 1	N
124 College of Engineering Electrical Engineering EEE2005 디지털논리회로 Digital Logic Circuits ○		N
125 College of Engineering Electrical Engineering EEE3019 전기전자계측 Electronic measurements ○	-	N
126 College of Engineering Electrical Engineering EEE3102 제어시스템설계 Control System Capstone Design ○		N

* Cou	ise lists are subject to change du	e to departmental circumstances.							
No.	College	Major	Course Number	Course Title(Kore)	Course Title(Eng)	Spring	Autumn	Credits	2022-1 OPEN
127	College of Engineering	Electrical Engineering	EEE3104	신호 및 시스템	Signals and Systems	0		3	Υ
128	College of Engineering	Electrical Engineering	EEE3108	센서공학	Sensor Engineering	0		3	Υ
129	College of Engineering	Electrical Engineering	EEE3114	자동제어	Automatic Control	0		3	Υ
130	College of Engineering	Electrical Engineering	EEE3206	전자디스플레이	Electronic Display		0	3	N
131	College of Engineering	Electrical Engineering	EEE3303	전력시스템공학 1	Power System Engineering1	0		3	Υ
132	College of Engineering	Electrical Engineering	EEE3304	전력시스템공학 2	Power System Engineering2		0	3	N
133	College of Engineering	Electrical Engineering	EEE4001	전기공학 종합설계	Capstone Design in Electrical Engineering	0		3	Υ
134	College of Engineering	Electrical Engineering	EEE3105	컴퓨터제어	Computer Control(Capstone Design)		0	3	N
135	College of Engineering	Electrical Engineering	EEE3112	로봇공학	Robotics	0		3	Υ
136	College of Engineering	Electrical Engineering	EEE3322	에너지 변환용 대형 전력시스템의 이해	Theories and Applications of Power Systems for Electric Energy Conversion	0		3	Υ
137	College of Engineering	Electronic Engineering	ECE3327	데이터베이스	Database		0	3	N
138	College of Engineering	Electronic Engineering	ECE4415	혼성신호집적회로설계	Mixed-Signal Circuit Design		0	4	N
139	College of Engineering	Electronic Engineering	ECE4445	임베디드시스템	Embedded System		0	3	N
140	College of Engineering	Electronic Engineering	ECE4400	오디오신호처리	Audio Signal Processing	0		4	Υ
141	College of Engineering	Electronic Engineering	ECE2250	전자회로 1	Electronic Circuits1		0	3	N
142	College of Engineering	Electronic Engineering	ECE3312	통신시스템	Communication System		0	3	N
143	College of Engineering	Electronic Engineering	ECE3314	데이터구조	Data Structure	0		3	N
144	College of Engineering	Electronic Engineering	ECE3320	신호및시스템	Signal and System	0		3	Υ
145	College of Engineering	Electronic Engineering	ECE3325	운영체제	Operating System		0	3	N
146	College of Engineering	Electronic Engineering	ECE3350	확률및통계	Probability and Statistics	0	0	3	N
147	College of Engineering	Electronic Engineering	ECE4325	영상시스템설계	Video System Capstone Design	0		4	N
148	College of Engineering	Electronic Engineering	ECE4343	아날로그회로설계	Analog Circuit Capstone Design	0		4	Υ
149	College of Engineering	Electronic Engineering	ECE4401	디지털신호처리개론	Introductory Digital Signal Processing		0	3	N
150	College of Engineering	Electronic Engineering	ECE4413	이동통신	Mobile Communications		0	3	N
151	College of Engineering	Electronic Engineering	ECE4466	VLSI설계및프로젝트실습	VLSI Capstone Design and Project	0		4	Υ
152	College of Engineering	Information and Communication Engineering	ICE1001	정보통신입문	Introductory Information & Communication	0		3	N
153	College of Engineering	Information and Communication Engineering	ICE2002	회로이론	Engineering Circuits Analysis	0		3	Υ
154	College of Engineering	Information and Communication Engineering	ICE2005	전자회로 1	Electronic Circuits 1		0	3	N
155	College of Engineering	Information and Communication Engineering	ICE3001	신호및시스템	Signals and Systems		0	3	N
156	College of Engineering	Information and Communication Engineering	ICE3104	반도체공학	Semiconductor Engineering	0		3	N
157	College of Engineering	Information and Communication Engineering	ICE3005	전자회로 2	Electronics Circuits 2	0		3	Υ
158	College of Engineering	Information and Communication Engineering	ICE3106	아날로그 집적회로설계	Analog Integrated Circuit Design		0	4	N
159	College of Engineering	Information and Communication Engineering	ICE3013	시스템프로그래밍	System Programming	0		3	Υ
160	College of Engineering	Information and Communication Engineering	ICE3014	오퍼레이팅시스템	Operating System		0	3	N
161	College of Engineering	Information and Communication Engineering	ICE4020	정보보호론	Information Security		0	3	N
162	College of Engineering	Information and Communication Engineering	ICE4024	정보통신종합설계	Capstone Design in ICT	0	0	3	N
163	College of Engineering	Information and Communication Engineering	ICE4026	정보및부호화이론	Information and Coding Theory		0	3	N
164	College of Engineering	Information and Communication Engineering	ICE4027	디지털영상처리설계	Digital Image Processing and Design	0		4	N
165	College of Natural Sciences	Physics	PHY3202	수리물리학 2	Mathematical Physics 2		0	3	N
166	College of Natural Sciences	Physics	PHY3006	상대성이론	Theory of Relativity		0	3	N
167	College of Natural Sciences	Physics	PHY2230	전산물리학	Computational physics		0	3	N
168	College of Natural Sciences	Physics	PHY3032	열 및 통계역학 2	Thermodynamics and Statistical Mechanics 2		0	3	N

No.	College	Major	Course Number	Course Title(Kore)	Course Title(Eng)	Spring	Autumn	Credits	2022-1 OPEN
169	College of Natural Sciences	Physics	PHY4404	반도체물리학	Semiconductor Physics	0		3	Υ
170	College of Natural Sciences	Physics	PHY4501	핵물리학	Nuclear Physics	0		3	Υ
171	College of Natural Sciences	Physics	PHY4235	빅데이터 물리학	Big data physics	0		3	Υ
172	College of Natural Sciences	Physics	PHY4502	입자물리학	Particle Physics		0	3	N
173	College of Natural Sciences	Ocean Sciences	OCN2202	해저지형학 및 실험	Coastal Geomorphology and Lab	0		3	Υ
174	College of Natural Sciences	Ocean Sciences	OCN2302	해양기상학	Marine Meteorolgy	0		3	N
175	College of Natural Sciences	Ocean Sciences	OCN2312	해양환경유체역학 및 실험	Environmental Fluid Mechanics for Ocean Science		0	3	N
176	College of Natural Sciences	Ocean Sciences	OCN2502	해양저서생물학 입문 및 실험	Introduction to Marine Benthology		0	3	N
177	College of Natural Sciences	Ocean Sciences	OCN3203	퇴적학 및 실험	Sedimentology and Lab	0		3	Υ
178	College of Natural Sciences	Ocean Sciences	OCN3206	연안퇴적역학 및 실험	Coastal Sediment Dynamics and Lab		0	3	N
179	College of Natural Sciences	Ocean Sciences	OCN3305	해양순환개론	Introduction to Ocean Circulation		0	3	N
180	College of Natural Sciences	Ocean Sciences	OCN3307	해양수치해석 및 프로그래밍	Numerical analysis and programming for ocean science		0	3	N
181	College of Natural Sciences	Ocean Sciences	OCN3504	해양무척추동물의 다양성 및 실험	Marine Invertebrate Zoology and Lab	0		3	N
182	College of Natural Sciences	Ocean Sciences	OCN4212	연안퇴적환경론 및 실험	Coastal Sedimentary Environments and Lab	0		3	N
183	College of Natural Sciences	Ocean Sciences	OCN4213	층서학 및 실험	Sequence of strata and Paleo-depositional environments and Lab		0	3	N
184	College of Natural Sciences	Ocean Sciences	OCN4308	하구 및 연안물리학	Estuarine and Coastal Hydrodynamics		0	3	Υ
185	College of Natural Sciences	Ocean Sciences	OCN4314	문제해결형 해양-Al-모델링	Problem solving-Al-Numericl modelling for ocean science		0	3	N
186	College of Natural Sciences	Ocean Sciences	OCN4407	동위원소지화학	Isotope geochemistry		0	3	N
187	College of Natural Sciences	Ocean Sciences	OCN4509	하구생태학 및 실험	Estuarine Ecology and Lab	0		3	N
188	College of Natural Sciences	Ocean Sciences	OCN4512	해양동물행동학 및 실험	Marine Animal Behavior and Lab.		0	3	Υ
189	College of Natural Sciences	Ocean Sciences	OCN4405	연안생지화학	Coastal Biogeochemistry		0	3	N
190	College of Business Administration	Business Administration	BUS2101	재무관리	Financial Management	0	0	3	Υ
191	College of Business Administration	Business Administration	BUS2201	조직행동	Organizational Behavior		0	3	Υ
192	College of Business Administration	Business Administration	BUS2301	재무회계	Financial Accounting	0	0	3	Υ
193	College of Business Administration	Business Administration	BUS2401	오퍼레이션스 매니지먼트	Operations Management	0		3	Υ
194	College of Business Administration	Business Administration	BUS2501	마케팅 원론	Principles of Maketing	0	0	3	Υ
195	College of Business Administration	Business Administration	BUS3201	리더십	leadership	0		3	Υ
196	College of Business Administration	Business Administration	BUS3204	인적자원관리	Human Resource Management		0	3	N
197	College of Business Administration	Business Administration	BUS3701	CSR경영전략과 사례	CSR Strategy&Cases	0		3	Υ
198	College of Business Administration	Business Administration	BUS3901	환대 서비스 개론	Introduction to Hospitality Management	0	0	3	Υ
199	College of Business Administration	Business Administration	BUS3510	디지털마케팅	Digital Marketing		0	3	Υ
200	College of Business Administration	Business Administration	BUS3406	식스 시그마 품질관리	Six Sigma Quality Management		0	3	Υ
201	College of Business Administration	Global Finance and Banking	BUS2101	재무관리	Financial Management		0	3	Υ
202	College of Business Administration	Global Finance and Banking	GFB2101	미시경제	Macroeconomics	0		3	N
203	College of Business Administration	Global Finance and Banking	GFB2401	금융시장론	Financial Market		0	3	N
204	College of Business Administration	Global Finance and Banking	GFB3201	파생상품	Financial Derivatives	0		3	Υ
205	College of Business Administration	Global Finance and Banking	GFB3401	금융기관경영	Financial institution management	0		3	Υ
206	College of Business Administration	Global Finance and Banking	GFB3403	화폐금융	Money and Banking	0		3	Υ
207	College of Business Administration	Global Finance and Banking	GFB3405	국제금융	International Finance and Banking	0		3	Υ
208	College of Business Administration	Asia Pacific School Of Logistics	APL2103	국제물류론	Global Logistics Management	0		3	Υ
209	College of Business Administration	Asia Pacific School Of Logistics	APL2202	제조물류	Manufacturing Logistics		0	3	N
210	College of Business Administration	Asia Pacific School Of Logistics	APL2302	물류의사결정론	Logistics Decision Making Theory	0		3	Υ

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No.	College	Major	Course Number	Course Title(Kore)	Course Title(Eng)	Spring	Autumn	Credits	2022-1 OPEN
211	College of Business Administration	Asia Pacific School Of Logistics	APL3304	물류네트워크 분석	Airline Service Management		0	3	N
212	College of Business Administration	Asia Pacific School Of Logistics	APL3306	물류정보시스템	Logistics Information System		0	3	Υ
213	College of Business Administration	Asia Pacific School Of Logistics	APL3308	물류시뮬레이션	Logistics Simulation	0		3	N
214	College of Business Administration	Asia Pacific School Of Logistics	APL3510	물류투자분석	Cost-Benefit Analysis on Logistics Issues		0	3	N
215	College of Business Administration	Asia Pacific School Of Logistics	APL4315	물류기술경영	Technology Management in Logistics	0		3	N
216	College of Business Administration	Asia Pacific School Of Logistics	APL4418	국제복합운송	Intermodal Transportation	0		3	Υ
217	College of Business Administration	Asia Pacific School Of Logistics	APL4420	글로벌물류혁신세미나	Seminar on Global Logistics Excellence		0	3	N
218	College of Business Administration	Asia Pacific School Of Logistics	APL4517	수요예측	Demand Forecasting Methods and Practice	0		3	Υ
219	College of Education	English Language Education	EEG1513	영어교육입문및진로탐색	Introduction to English Education & Career research		0	3	N
220	College of Education	English Language Education	EEG1521	영어청해연습 1	English Listening Comprehension 1	0		3	Υ
221	College of Education	English Language Education	EEG1522	영문독해연습 1	English Reading Comprehension 1	0		3	Υ
222	College of Education	English Language Education	EEG1531	실용영문법	Practical English Grammar	0		3	N
223	College of Education	English Language Education	EEG2521	영어과교육과정및교재개발	Curriculum & Materials Development in English Education	0		3	Υ
224	College of Education	English Language Education	EEG2602	영문독해연습 2	English Reading Comprehension 2		0	3	N
225	College of Education	English Language Education	EEG2612	영어교육론	Theories in TEFLL		0	3	N
226	College of Education	English Language Education	EEG2621	영어청해연습 2	English Listening Comprehension 2		0	3	N
227	College of Education	English Language Education	EEG2642	영문학개론	Introduction to English Literature		0	3	N
228	College of Education	English Language Education	EEG3327	영문독해연습 3	English Reading Comprehenshion 3	0		3	N
229	College of Education	English Language Education	EEG3346	영어어휘연습	English Vocabulary Practice		0	3	N
230	College of Education	English Language Education	EEG3370	영어과교수능력계발	Development of EFL teaching skills	0		3	Υ
231	College of Education	English Language Education	EEG3705	영어교재연구및지도법	Materials and Methods in TEFL (Capstone Design)		0	3	N
232	College of Education	English Language Education	EEG4347	영미희곡교육	British and American Drama	0		3	Υ
233	College of Education	English Language Education	EEG4405	영어과정중심평가	English process-based assessment	0		3	Υ
234	College of Education	English Language Education	EEG4406	영어교수법	English Language Teaching method	0		3	Υ
235	College of Education	English Language Education	EEG4417	영어교육특강	Topics in English Education		0	3	N
236	College of Education	English Language Education	EEG4431	영어학특강	Topics in English Linguistics		0	3	N
237	College of Education	English Language Education	EEG4805	영미소설교육	Reading in English and American Fiction	0		3	Υ
238	College of Social Sciences	Public Administration	PAD2111	정책과정론	The Public Policy Process:Theory & Practice	0		3	N
239	College of Social Sciences	Public Administration	PAD2112	조직이론	Organizational Theory	0		3	N
240	College of Social Sciences	Public Administration	PAD2116	행정학 원강 2	Readings in Public Administration 2	0		3	Υ
241	College of Social Sciences	Public Administration	PAD2209	정책학원론	Introduction to Public Policy Studies		0	3	N
242	College of Social Sciences	Public Administration	PAD2214	행정학 원강 1	Reading in Public Administration 1		0	3	N
243	College of Social Sciences	Public Administration	PAD2218	공공문제해결론	Public Sector Problem-Solving Theories		0	3	N
244	College of Social Sciences	Public Administration	PAD3108	재무행정론	Financial Administration	0		3	N
245	College of Social Sciences	Public Administration	PAD3211	조직관리와 리더십	Organizational Management and Leadership		0	3	N
246	College of Social Sciences	Media and Communication	COM1100	커뮤니케이션학개론	Introduction to Communications	0	0	3	N
247	College of Social Sciences	Media and Communication	COM2332	Genres in Popular Culture	Genres in Popular Culture		0	3	N
248	College of Social Sciences	Media and Communication	COM2400	광고학개론	Introduction to Advertising	0	0	3	N
249	College of Social Sciences	Media and Communication	COM3101	커뮤니케이션 영어원강	English Readgins on Communication	0		3	N
250	College of Social Sciences	Media and Communication	COM3212	소셜미디어와 커뮤니케이션	Social Media and Communication		0	3	N
251	College of Social Sciences	Media and Communication	COM3322	Cultural Studies and Cyberspace	Cultural Studies and Cyberspace		0	3	N
252	College of Social Sciences	Media and Communication	COM3331	Media Narratives	Media Narratives	0		3	Υ

No.	College	Major	Course Number	Course Title(Kore)	Course Title(Eng)	Spring	Autumn	Credits	2022-1 OPEN
253	College of Social Sciences	Media and Communication	COM3412	통합마케팅 커뮤니케이션	Integrated Marketing Communication		0	3	N
254	College of Social Sciences	Media and Communication	COM3433	판매촉진전략	Sales Promotion Strategy	0		3	N
255	College of Social Sciences	Media and Communication	COM4321	Orientalism in Media & Culture	Orientalism in Media & Culture	0		3	Υ
256	College of Social Sciences	Media and Communication	COM4331	Gender and Cultural Studies	Gender and Culture Studies	0		3	N
257	College of Social Sciences	Media and Communication	COM4332	영화·비디오이론	Theories of Film and Vedio		0	3	N
258	College of Social Sciences	Economics	ECO1101	경제원론 1	Principles of Economics1	0		3	Υ
259	College of Social Sciences	Economics	ECO1102	경제원론 2	Principles of Economics2		0	3	N
260	College of Social Sciences	Economics	ECO2201	미시경제학	Microeconomics		0	3	N
261	College of Social Sciences	Economics	ECO2202	거시경제학	Macroeconomics		0	3	N
262	College of Social Sciences	Economics	ECO3387	경제성장론	Economic Growth		0	3	N
263	College of Social Sciences	Economics	ECO3306	경제문제연구	The Analystic Study for Economic Problems	0	0	3	Υ
264	College of Social Sciences	Economics	ECO3343	노동경제학	Labour Economics	○(2년에 1회)		3	N
265	College of Social Sciences	Economics	ECO3381	경제발전론	Economic Development		○(2년에 1회)	3	N
266	College of Humanities	English Language & Literature	ENG1401	영어토론과프레젠테이션	English Discussion & Presentation	0	0	3	Υ
267	College of Humanities	English Language & Literature	ENG3404	고급영어토론과프레젠테이션	Advanced English Discussion & Presentation	0	0	3	Υ
268	College of Humanities	English Language & Literature	ENG2006	미디어영어	Media English		0	3	N
269	College of Humanities	English Language & Literature	ENG1402	영문학개론	Introduction to English Literature	0	0	3	Υ
270	College of Humanities	English Language & Literature	ENG2103	영미단편소설	British & American Short Stories		0	3	N
271	College of Humanities	English Language & Literature	ENG2105	영미아동청소년문학	Children's & Young Adult Literature in English		0	3	N
272	College of Humanities	English Language & Literature	ENG2201	영어학개론	Introduction to English Linguistics	0	0	3	Υ
273	College of Humanities	English Language & Literature	ENG2401	표현영어글쓰기	Expressive Writing	0	0	3	Υ
274	College of Humanities	English Language & Literature	ENG2303	기술영어글쓰기	Technical Writing	0	0	3	Υ
275	College of Humanities	English Language & Literature	ENG3402	서구문화원형과 미디어	Curtural Archetypes of the West and Media		0	3	N
276	College of Humanities	English Language & Literature	ENG3208	사회와 영어	English in Societies		0	3	N
277	College of Humanities	English Language & Literature	ENG3311	분석영어글쓰기	Analytic Writing		0	3	N
278	College of Humanities	English Language & Literature	ENG4122	영연방 세계의 이해	Understanding of the British Commonwealth(Capstone Design)		0	3	N
279	Arts & Sports	Kinesiology	KIN1017	인체기능해부학	Human Anatomy	0		3	Υ
280	Arts & Sports	Kinesiology	KIN1101	발육발달및노화	Growth & Aging	0		3	Υ
281	Arts & Sports	Kinesiology	KIN2016	스포츠경영학	Sport Business Administration		0	3	N
282	Arts & Sports	Kinesiology	KIN2103	운동생리학	Exercise Physiology	0		3	Υ
283	Arts & Sports	Kinesiology	KIN3016	스포츠전문영어	Profession of Sport in English	0		2	Υ
284	Arts & Sports	Kinesiology	KIN3110	특수집단과운동	Special Populations and Exercise		0	3	N
285	Arts & Sports	Kinesiology	KIN3208	스포츠마케팅	Sports Marketing	0		3	Υ
286	Arts & Sports	Kinesiology	KIN4103	병태생리학	Pothological Physiology		0	3	N
287	Arts & Sports	Kinesiology	KIN3112	운동손상학	Sports Injuries	0		3	Υ
288	Arts & Sports	Kinesiology	KIN3113	운동손상평가및실습	Evaluation & Practice of Sports Injuries		0	3	N