

# Courses in English

*Fall Semester 2009*

KONKUK UNIVERSITY

**Dear exchange students,**

**This list is only designed to give you a picture of what classes are available in English at Konkuk this semester.**

**This list is current as of 21 August 2009, and changes could have occurred since then.**

**For the most up-to-date details on classes (course plan, synopsis, textbooks, evaluation method etc.),  
be sure to check <http://kupis.konkuk.ac.kr/sugang>**

**For technical assistance, read KU HANDBOOK, or ask an international student volunteer standing near you  
during the orientation.**

**[Note]: A “b-learning” class refers to a class where a professor combines both offline classroom lectures with online materials and activities.**

致所有外国交换学生：

本目录是为了所有的交换学生能够更好地了解本学期的英语授课而制定，希望对大家能有帮助。

本目录从**2009年8月21日**为定，之后也有可能出现变动的情况。为大家带来不便请谅解。

想确定与课程相关的具体信息（课程计划，课程内容，授课教材，课程进行方式等），请务必点击进入课程信息系统  
<http://kupis.konkuk.ac.kr/sugang> 里面有详细介绍。

如果还有疑问，请阅读 **《KU HANDBOOK》**，或者在说明会时到国际处我们国际处服务社团的学生可以帮大家解答疑问。

**[附注]：“b-learning”**的课程是以教授课堂教学和网上资料获取的方式进行。

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
1	1	지교	0252	경영학원론	PRINCIPLES OF MANAGEMENT	3.0	3.0	경영-경영	Business Administration & Management Information System	Fri01-06 0900-1200(경영105)	정수연	English	The basic concepts of management principles in the current business environment, the fundamentals of modern business administration are examined from the viewpoint of the cultivation of management ability and the nature of business administration, management planning, management control, leadership, the basic principles of organizing, profit control system, and business units are major topics of the course.	Theory	
2	2	전선	3808	기업영어2	BUSINESS ENGLISH 2	3.0	3.0	경영정보학	Management Information System	Tue01-06 0900-1200(경영206)	최은주	English	As a sequel to Business English I, the goal of this class is to deepen the reading and listening skills by being exposed to various materials related to business operations. The emphasis will be more on effective business communications and reading skills	Theory	
3	2	전선	3930	기업영어2	BUSINESS ENGLISH 2	3.0	3.0	경영정보학	Management Information System	Tue09-14 1300-1600(경영206)	최은주	English	As a sequel to Business English I, the goal of this class is to deepen the reading and listening skills by being exposed to various materials related to business operations. The emphasis will be more on effective business communications and reading skills	Theory	
4	2	전선	3791	기업영어2	BUSINESS ENGLISH 2	3.0	3.0	경영학	Business Administration	Mon03-05 1000-1130(경영105), Wed06-08 1130-1300(경영105)	Bettina	English	As a sequel to Business English I, the goal of this class is to deepen the reading and listening skills by being exposed to various materials related to business operations. The emphasis will be more on effective business communications and reading skills	Theory	
5	3	전선	3794	광고론	ADVERTISING	3.0	3.0	경영학	Business Administration	Tue01-03 0900-1030(경영203), Thu04-06 1030-1200(경영203)	정현수	English	All the advertising process from the objective setting to the effectiveness measurement of advertisement is illustrated through real cases. The main topic are message, media, creative strategy, copywriting etc.	Theory	
6	4	전선	3797	마케팅전략론	MARKETING STRATEGY	3.0	3.0	경영학	Business Administration	Tue10-12 1330-1500(경영205), Thu07-09 1200-1330(경영205)	박진용	English	Strategic planning process is designed to fit the organization and environment. And Segmenting, targeting, positioning strategy are examined to copy with the changing environments.	Theory	
7	2	전선	3802	원가회계	COST ACCOUNTING	3.0	3.0	경영학	Business Administration	Mon04-06 1030-1200(경영205), Wed01-03 0900-1030(경영205)	신현걸	English	Through grounding in cost accounting systems including cost concepts, the flows of costs, cost allocation, job and process costing, and variable product costing.	Theory	
8	2	전선	4048	기업영어2	BUSINESS ENGLISH 2	3.0	3.0	경영학	Business Administration	Mon06-08 1130-1300(경영105), Wed03-05 1000-1130(경영105)	Bettina	English	As a sequel to Business English I, the goal of this class is to deepen the reading and listening skills by being exposed to various materials related to business operations. The emphasis will be more on effective business communications and reading skills	Theory	
9	2	전선	4049	기업영어2	BUSINESS ENGLISH 2	3.0	3.0	경영학	Business Administration	Tue03-05 1000-1130(경영105), Thu06-08 1130-1300(경영105)	Bettina	English	As a sequel to Business English I, the goal of this class is to deepen the reading and listening skills by being exposed to various materials related to business operations. The emphasis will be more on effective business communications and reading skills	Theory	
10	2	전선	4050	기업영어2	BUSINESS ENGLISH 2	3.0	3.0	경영학	Business Administration	Tue06-08 1130-1300(경영105), Thu03-05 1000-1130(경영105)	Bettina	English	As a sequel to Business English I, the goal of this class is to deepen the reading and listening skills by being exposed to various materials related to business operations. The emphasis will be more on effective business communications and reading skills	Theory	
11	4	전선	4056	마케팅전략론	MARKETING STRATEGY	3.0	3.0	경영학	Business Administration	Mon04-06 1030-1200(경영207), Wed01-03 0900-1030(경영207)	Victor L. Kane	English	Strategic planning process is designed to fit the organization and environment. And Segmenting, targeting, positioning strategy are examined to copy with the changing environments.	Theory	
12	4	전선	4058	선물옵션론	OPTIONS & FUTURES	3.0	3.0	경영학	Business Administration	Tue07-09 1200-1330(경영205), Thu10-12 1330-1500(경영205)	최병욱	English	This course covers both derivatives markets such as options, futures, swaps and risk management. Particularly mechanics of options and futures markets, determination of options and futures prices, hedging and trading strategies using derivatives are main topics in this course.	Theory	
13	3	전선	4991	중급회계	INTERMEDIATE ACCOUNTING	3.0	3.0	경영학	Business Administration	Mon01-03 0900-1030(경영206), Wed04-06 1030-1200(경영206)	오준환	English	Theory and practice of financial accounting underlying the recognition and measurement of operating results of business enterprise in accordance with the generally accepted accounting principles.	Theory	
14	2	지교	0122	마케팅	MARKETING	3.0	3.0	경영학, 경영정보학, 기술경영학과	Business Administration	Mon10-12 1330-1500(경영207), Wed07-09 1200-1330(경영207)	Victor L. Kane	English	The process of planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services is discussed. The Main topics are product, price, place, promotion, marketing planning, organizing, controlling etc.	Theory	
15	3	전선	3347	CURRENT WORLD ECONOMIC ISSUES	CURRENT WORLD ECONOMIC ISSUES	3.0	3.0	경제학	Economics	Mon10-12 1330-1500(상허관106), Wed07-09 1200-1330(상허관106)	지인엽	English	This course requires some prior Knowledge of economic theories. Students are required to read some articles from leading journals and newspapers and find how to apply economic issues. Course requirements include presentations and discussion with the instructor and with other students.	Theory	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
16	2	전선	3348	PRINCIPLE OF MACROECONOMICS	PRINCIPLE OF MACROECONOMICS	3.0	3.0	경제학	Economics	Mon07-09 1200-1330(상허관106), Wed10-12 1330-1500(상허관106)	지인엽	English	This course provides an overview of macroeconomic issues: the determination of output, employment, interest rates, and inflation. Monetary and fiscal policies are discussed. Important current policy debates such as social security, the public debt, and international economic issues are explored.	Theory	
17	3	전선	3349	금융시장과투자분석 방법론	TECHNICAL ANALYSIS OF THE FINANCIAL MARKETS AND INVESTMENTS	3.0	3.0	경제학	Economics	Mon13-16 1500-1700(상허관106), Thu17-18 1700-1800(상허관106)	지인엽	English	This course covers portfolio theories, asset pricing models, the term-structure models, and the behavior of financial institutions and financial markets of various countries including Korea. The course also offers statistical analysis of financial market behaviours using recently developed time series econometric methods. Each parts cover financial applications, and require real data handling using some softwares.	Theory	
18	2	전선	4082	거시경제학	MACROECONOMICS	3.0	3.0	공통사회, 경제학, 국제비즈니스	Economics	Tue10-12 1330-1500(상허관221), Thu07-09 1200-1330(상허관221)	배진호	English	Deals with the basic concepts of macroeconomic theory, including economic growth and business cycles, and provides an introduction to open economy macroeconomics.	Theory	
19	2	전선	3351	거시경제학	MACROECONOMICS	3.0	3.0	국제무역학	International Trade	Mon07-09 1200-1330(상허관219), Wed10-12 1330-1500(상허관219)	최필선	English	Deals with the basic concepts of macroeconomic theory, including economic growth and business cycles, and provides an introduction to open economy macroeconomics.	Theory	
20	4	전선	3366	경제통합론	ECONOMIC INTEGRATION	3.0	3.0	국제무역학	International Trade	Tue04-06 1030-1200(상허관220), Thu01-03 0900-1030(상허관220)	황해두	English	Focuses on the various forms of regional economic integration and their implications.	Theory	
21	2	전선	4102	거시경제학	MACROECONOMICS	3.0	3.0	국제무역학	International Trade	FrI07-12 1200-1500(상허관224)	이철현	English	Deals with the basic concepts of macroeconomic theory, including economic growth and business cycles, and provides an introduction to open economy macroeconomics.	Theory	
22	2	전선	3353	국제무역론	INTERNATIONAL TRADE THEORY	3.0	3.0	국제무역학	International Trade	Mon01-03 0900-1030(상허관224), Wed04-06 1030-1200(상허관224)	이홍구	English	This course introduces the pure theory of international trade covering classical theory of comparative advantage and its modern counterpart, theory of commercial policy, and issues of trade economic development.	Theory	
23	3	전선	3354	국제재무론	INTERNATIONAL CORPORATE FINANCE	3.0	3.0	국제무역학	International Trade	Tue10-12 1330-1500(상허관220), Thu07-09 1200-1330(상허관220)	장동환	English	Acquaints students with various aspects of international financing, ranging from the operation of international financial market to the arcane technique of pricing financial assets in the global markets.	Theory	b-learning
24	2	전선	3357	무역영어	INTERNATIONAL BUSINESS COMMUNICATIONS	3.0	3.0	국제무역학	International Trade	Mon17-18 1700-1800(상허관220), Thu13-16 1500-1700(상허관220)	황해두	English	Introduces students to the making of business communication materials by providing the methods of preparing letters of credit, bills of lading, and so forth.	Theory	
25	4	전선	3361	INTERNATIONAL ECONOMIC AFFAIRS	INTERNATIONAL ECONOMIC AFFAIRS	3.0	3.0	국제무역학	International Trade	Mon04-06 1030-1200(상허관106), Wed01-03 0900-1030(상허관106)	Rodolfo Ledesma	English	Is designed to enhance the students' understanding of the current economic and political issues that arise in the context of international relations.	Theory	
26	3	전선	4105	국제통상관계론	INTERNATIONAL COMMERCIAL RELATIONS	3.0	3.0	국제무역학	International Trade	Mon01-03 0900-1030(상허관220), Wed04-06 1030-1200(상허관220)	Rodolfo Ledesma	English	Identifies characteristic features of Korea's commercial relations with its major trading partners as they are influenced by the ever changing global trading environment.	Theory	
27	2	전선	4108	무역영어	INTERNATIONAL BUSINESS COMMUNICATIONS	3.0	3.0	국제무역학	International Trade	Mon10-12 1330-1500(상허관220), Wed07-09 1200-1330(상허관220)	Steven T. Barnett	English	Introduces students to the making of business communication materials by providing the methods of preparing letters of credit, bills of lading, and so forth.	Theory	
28	2	전선	4109	무역영어	INTERNATIONAL BUSINESS COMMUNICATIONS	3.0	3.0	국제무역학	International Trade	Tue13-18(상허관220)	안미영	English	Introduces students to the making of business communication materials by providing the methods of preparing letters of credit, bills of lading, and so forth.	Theory	
29	3	전선	4112	글로벌경영전략론	THEORIES OF GLOBAL BUSINESS STRATEGIES	3.0	3.0	국제무역학	International Trade	Tue04-06 1030-1200(상허관106), Thu01-03 0900-1030(상허관106)	Steven T. Barnett	English	Introduces theories related to the emergence of multinational corporations, corporate strategies, and ordinance structures.	Theory	
30	1	지교	0401	국제무역비즈니스	INTERNATIONAL TRADE AND BUSINESS	3.0	3.0	상경대학	College of Commerce & Economics	Mon04-06 1030-1200(상허관220), Wed01-03 0900-1030(상허관220)	황해두	English	From the viewpoint of a business who is seeking for maximization of its firm value, it is to study practical issues of international business including international marketing, and international investment & financing.	Theory	

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31	1	지교	0402	국제무역비즈니스	INTERNATIONAL TRADE AND BUSINESS	3.0	3.0	상경대학	College of Commerce & Economics	Tue04-06 1030-1200(상허관219), Thu01-03 0900-1030(상허관219)	남경두	English	From the viewpoint of a business who is seeking for maximization of its firm value, it is to study practical issues of international business including international marketing, and international investment & financing.	Theory	
32	1	지교	0407	국제무역비즈니스	INTERNATIONAL TRADE AND BUSINESS	3.0	3.0	상경대학	College of Commerce & Economics	Fri11-16 1400-1700(상허관220)	이홍열	English	From the viewpoint of a business who is seeking for maximization of its firm value, it is to study practical issues of international business including international marketing, and international investment & financing.	Theory	
33	2	전선	3381	소비자교육	CONSUMER EDUCATION	3.0	3.0	소비자정보	Consumer Information Science	Thu01-06(상허관108)	이영애	English	This subject classifies the types of consumer education into corporate education, school education, social education and home education, and analyzes and studies consumer education in each view. Furthermore, as it connects the roles of consumers to consumerism, students shall organize consumer-education related programs that are connected with the roles of consumers and consumerism.	Theory	
34	4	전선	3390	금융소비자교육	CONSUMER AND FINANCIAL EDUCATION	3.0	3.0	소비자정보	Consumer Information Science	Tue13-18(상허관108)	이영주, 이재형	English	For the consumers in a mass consumption society, production and income are their important resources. As such, this subject analyzes the current status of finance-related markets like financial management, credit and financial technology, among others, recognizing and analyzing the importance and education factors of companies and consumers in depth.	Theory	
35	3	전선	3393	소비자시장분석	CONSUMER MARKET ANALYSIS	3.0	3.0	소비자정보	Consumer Information Science	Mon07-12(상허관108)	이영주	English	This subject approaches consumer behavior and the economic activities in the preceding cycle before consumption behavior, including production and distribution of products based on the theory of Microeconomics. With general theories related to consumer and market analysis, this subject aims to improve expert knowledge in the area of market analysis through statistical analysis. To take this lecture, basic knowledge on Economic Theories, Basic Statistics and Consumer Economics is required.	Theory	
36	2	전선	4273	국제경영론	INTERNATIONAL BUSINESS	3.0	3.0	국제비즈니스, 경영학	International Business, Business Administration	Tue10-12 1330-1500(경영203), Thu07-09 1200-1330(경영203)	김주권	English	International Business aims to help students to have an international perspective on a rapidly changing environment and business caused by globalization. For this purpose, International Business is designed to give students more realistic and practical lessons based on various theories of international business and real world cases.	Theory	
37	3	전필	2024	국제비즈니스영어	INTERNATIONAL BUSINESS ENGLISH	3.0	3.0	국제비즈니스	International Business	Fri03-08(상허관220)	Dennis Stephen	English	The focus of this course is to teach students English for business. Topics covered in this course include writing a CV or other relevant documents, job interview techniques, and English for meeting, presentations, and negotiations.	Theory	
38	2	전필	2106	재무관리	FINANCIAL MANAGEMENT	3.0	3.0	국제비즈니스, 경영학	International Business, Business Administration	Mon04-06 1030-1200(경영204), Wed01-03 0900-1030(경영204)	장국현	English	Financial decision-making in the corporation and analytical techniques for solving financial problems are examined in this course. Financial decisions such as investing in fixed assets, obtaining debt and equity funds, and determining the proper amount of working capital are considered. Problems and cases are used to demonstrate the applicability of the analytical techniques.	Theory	
39	2	전선	4990	인적자원관리	HUMAN RESOURCE MANAGEMENT	3.0	3.0	국제비즈니스, 경영학	International Business, Business Administration	Tue01-03 0900-1030(경영207), Thu04-06 1030-1200(경영207)	Sarah Kim	English	Human Resource are the major contributors to organizational effectiveness and performance. Thus, there is an interdisciplinary approach to understanding these concepts and techniques of effective management : recruiting, training, and performance evaluation, motivation, and various incentive systems.	Theory	
40	4	전선	3938	영어통역	ENGLISH INTERPRETATION	3.0	3.0	국제비즈니스, 영어영문	International Business, English Language & Literature	Tue07-09 1200-1330(문213), Thu10-12 1330-1500(문213)	임인재	English	Students are provided with theories and principles of interpretation, and they practice various skills of English interpretation.	Theory	
41	4	전선	3990	영어토론및발표	ENGLISH DEBATE & PUBLIC SPEAKING	3.0	3.0	국제비즈니스, 영어영문	International Business, English Language & Literature	Mon07-09 1200-1330(산학211), Wed10-12 1330-1500(산학211)	Ryan	English	This class is designed to improve students' oral proficiency in debating on various current issues, and to train students to develop their ability of public speaking for effective presentations before audience.	Theory	
42	4	전선	3991	영어토론및발표	ENGLISH DEBATE & PUBLIC SPEAKING	3.0	3.0	국제비즈니스, 영어영문	International Business, English Language & Literature	Mon10-12 1330-1500(산학211), Wed07-09 1200-1330(산학211)	Ryan	English	This class is designed to improve students' oral proficiency in debating on various current issues, and to train students to develop their ability of public speaking for effective presentations before audience.	Theory	
43	4	전선	3992	영어토론및발표	ENGLISH DEBATE & PUBLIC SPEAKING	3.0	3.0	국제비즈니스, 영어영문	International Business, English Language & Literature	Mon01-03(문302), Wed04-06(산학211)	Jason Lim	English	This class is designed to improve students' oral proficiency in debating on various current issues, and to train students to develop their ability of public speaking for effective presentations before audience.	Theory	
44	4	전선	3993	영어토론및발표	ENGLISH DEBATE & PUBLIC SPEAKING	3.0	3.0	국제비즈니스, 영어영문	International Business, English Language & Literature	Mon04-06(문302), Wed01-03(산학211)	Jason Lim	English	This class is designed to improve students' oral proficiency in debating on various current issues, and to train students to develop their ability of public speaking for effective presentations before audience.	Theory	

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45	2	전선	4000	실용영작문	PRACTICAL WRITING	3.0	3.0	국제비즈니스, 영어영문	International Business, English Language & Literature	Tue07-09 1200-1330(산학211), Thu10-12 1330-1500(산학211)	Ryan	English	This course provides students with opportunities to practice and develop their ability to write everyday writing such as invitation, business letters and so on.	Theory	
46	2	전선	4001	실용영작문	PRACTICAL WRITING	3.0	3.0	국제비즈니스, 영어영문	International Business, English Language & Literature	Tue10-12 1330-1500(산학211), Thu07-09 1200-1330(산학211)	Ryan	English	This course provides students with opportunities to practice and develop their ability to write everyday writing such as invitation, business letters and so on.	Theory	
47	2	전선	4002	실용영작문	PRACTICAL WRITING	3.0	3.0	국제비즈니스, 영어영문	International Business, English Language & Literature	Mon01-03 0900-1030(산학211), Thu04-06 1030-1200(산학211)	Grasse	English	This course provides students with opportunities to practice and develop their ability to write everyday writing such as invitation, business letters and so on.	Theory	
48	2	전선	4329	전략경영과인적 자원개발	STRATEGIC MANAGEMENT & HRD	2.0	2.0	교육공학과	Educational Technology	Mon05-08 1100-1300(사119)	이효자	English	Critical examination of strategic planning and management and the difference between strategic management and management strategy, with special attention to their roles to HRD from educational business and venture project.	Theory	
49	1	전선	3721	교수-학습이론	TEACHING AND LEARNING THEORY	2.0	2.0	교육공학과	Educational Technology	Mon05-08 1100-1300(사327/328)	박성열	English	The course examines principles of instructional design by analyzing different instructional system models, with a special emphasis on a systematic approach to instruction.	Theory	b-learning
50	3	전선	4330	정보기술과교육사업	INFORMATION TECHNOLOGY AND EDUCATIONAL BUSINESS	2.0	2.0	교육공학과	Educational Technology	Thu05-08 1100-1300(사327/328)	이효자	English	The effects of information technology on business in education are introduced. The concepts and types of IT business in education, the current status of IT-based private education and its problems and solutions are also analyzed. Future direction for business in education is predicted.	Theory	
51	4	전선	3288	국제정치경제론	INTERNATIONAL POLITICAL ECONOMY	3.0	3.0	정치외교학	Political Science	Tue13-18 1500-1800(상허관314)	이지용	English	Understand the relations between international politics and economics in a new world.	Theory	
52	3	전선	3289	매스미디어와정치	MASS MEDIA & POLITICS	3.0	3.0	정치외교학	Political Science	Mon07-12 1200-1500(상허관316)	금혜성	English	Review on the role of Mass Media, in particular, in the political processes such as election and policy-making.	Theory	
53	2	전선	3293	현대정치사상	CONTEMPORARY POLITICAL THOUGHT	3.0	3.0	정치외교학	Political Science	Tue13-18(상허관316)	이병택	English	Introduction to Western political thoughts and philosophers in Greek/Roman and medieval times.	Theory	
54	2	전선	3296	국제분쟁과평화	WAR AND PEACE IN WORLD POLITICS	3.0	3.0	정치외교학	Political Science	Fri07-12(상허관317)	조철호	English	Korean foreign policy from the end of World War II to the present, dealing with the history of foreign policy decision-making process, political culture, leadership, and democratization in Korea. An advanced course that requires students to have prior knowledge of the basic and analytic concepts of political science.	Theory	
55	3	전선	3298	한반도와미국	KOREA AND THE UNITED STATES	3.0	3.0	정치외교학	Political Science	Wed07-12 1200-1500(상허관316)	유철	English	Study the international relations among Korea, Japan, and China.	Theory	
56	4	전선	3093	EU국제기구와 거버넌스	INTERNATIONAL INSTITUTIONS AND GOVERNANCE IN EU	3.0	3.0	EU문화정보	Culture & Information Studies in EU	Tue05-10 1100-1400(문211)	김세원	English	This course examines international institutions like UNESCO and the governance systems in European countries	Theory	
57	4	전선	3946	국제경제법	INTERNATIONAL ECONOMIC LAW	3.0	3.0	법학과	Law	Tue10-12 1330-1500(법316), Thu07-09 1200-1330(법316)	Kana Morimura	English	This course delves into the international funds, finance and commerce, the protection and regulation of multinational corporations, and the issues of international economic cooperation and their legal norms.	Theory	
58	2	전필	2998	국제법1	INTERNATIONAL LAW 1	3.0	3.0	법학과	Law	Wed17-18 1700-1800(법416), Fri03-06 1000-1200(법416)	조시현	English	This course leads the students to understand what kind of norms exist to regulate the relations among the nations in the international society, and delves into the basic theories on the existing form, contents, application and the execution of the norms.	Theory	
59	2	전선	3960	영미법	ANGLO-AMERICAN LAW	2.0	2.0	법학과	Law	Wed13-16 1500-1700(법316)	Kana Morimura	English	This course covers the basic theories in Anglo-American Law by lecturing on the origin, development, judicial system and the current problems in the existing Anglo-American laws.	Theory	
60	3	전선	3975	저작권법	COPYRIGHT LAW	3.0	3.0	법학과	Law	Mon10-12 1330-1500(법316), Wed07-09 1200-1330(법316)	정연덕	English	Students would learn general principal of copyright law. It also includes internet law and entertainment law.	Theory	
61	3	전선	4078	역사와기록문화	HISTORY AND DOCUMENTARY HERITAGE	3.0	3.0	사학	History	Mon13-15 1500-1630(문308), Wed16-18 1630-1800(문308)	김지형	English	This course offers students to understanding politics, societies and cultures through the survey of important documentary heritages in the history.	Theory	
62	4	전선	4087	한국현대사	CONTEMPORARY HISTORY OF KOREA	3.0	3.0	사학, 공통사회	History	Mon16-18 1630-1800(문308), Wed13-15 1500-1630(문308)	김지형	English	Contemporary History of Korea Survey of modern Korean history from the late nineteenth century to the present, with a focus on political and economic history.	Theory	



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63	4	전선	3302	공기업론	PUBLIC ENTERPRISE	3.0	3.0	행정학	Public Administration	Tue04-06 1030-1200(상허관318), Thu01-03 0900-1030(상허관318)	이영범	English	This course provides a systematic understanding of basic theory of public enterprise including public enterprise economics, public enterprise performance and behavior, and policy issues on reform and privatization.	Theory	
64	2	전선	3304	도시행정론	URBAN ADMINISTRATION	3.0	3.0	행정학	Public Administration	Mon07-09 1200-1330(상허관318), Wed10-12 1330-1500(상허관318)	양승범	English	Various issues and problem facing modern cities in Korea: the spatial structures and economic problems and such issues as urban transportation, housing, environment, land development, and urban finances.	Theory	
65	3	전선	3306	정책분석평가	POLICY ANALYSIS & EVALUATION	3.0	3.0	행정학	Public Administration	Fri03-08(상허관109)	유동상	English	This course aims at teaching analytical approaches, methods and tools for Public Policy Analysis and Evaluation. While the types of quantitative methods introduced in class range from econometric to management science based models, this course teaches descriptive approaches to Policy Analysis as well.	Theory	
66	2	전선	3307	조직행태론	ORGANIZATION BEHAVIOR	3.0	3.0	행정학	Public Administration	Mon10-12 1330-1500(상허관318), Wed07-09 1200-1330(상허관318)	양승범	English	A course on organizational goals and fulfillment by individuals and groups. Emphasis on understanding the behaviors of individuals and groups in modern complex organizations.	Theory	
67	4	전선	3309	한국행정론	KOREAN GOVERNMENT & ADMINISTRATION	3.0	3.0	행정학	Public Administration	Tue13-18 1500-1800(상허관318)	최영철	English	Historical background of Korean public administration in the context of political affairs. The structure, function, and cultural aspect of Korean public administration. The cutting edges of administrative reform in Korea.	Theory	
68	2	전선	3314	행정계량분석2	ADVANCED STATISTICAL ANALYSIS FOR PUBLIC POLICY AND ADMINISTRATION 2.	3.0	3.0	행정학	Public Administration	Thu07-12 1200-1500(상허관319)	유동상	English	Intended as a continuation of Quantitative Analysis for Public Administration, this course teaches regression analysis that is one of the most widely used statistical techniques in social sciences. Students learn how to formulate models in quantitative terms and use appropriate data and statistical techniques to test the models. The course covers regression analysis, including multiple regression, panel data analysis, dummy variables, binary dependent variables, and other fundamental tools in	Theory	
69	3	전선	3316	현대행정이론	THEORY OF PUBLIC ADMINISTRATION	3.0	3.0	행정학	Public Administration	Mon10-12 1330-1500(상허관314), Wed07-09 1200-1330(상허관314)	권용수	English	This course attempts to lead students to explain and interpret various administrative phenomenon based on theories ranging from classical theories to cutting-edge techniques of public administration. Not only general theories of public administration but also individual theories in specific social science arena such as politics, economics, sociology, and psychology are discussed.	Theory	
70	4	전선	3173	전력경제	ELECTRICAL ECONOMICS	2.0	2.0	전기공학과	Electrical Engineering	Wed01-04 0900-1100(공C483)	이주원	English	This topic deals with the economic theory and practice of pricing and investment in electricity supply. It covers the general introduction to basic concept of electricity economics, including economics, finance, tariff policy, market theory, pricing and investment planning.	Theory	
71	3	전선	3401	자원환경경제론	ENVIRONMENTAL RESOURCE ECONOMICS	3.0	3.0	축산경영	Livestock Business & Marketing Economics	Mon13-15 1500-1630(동309), Wed13-15 1500-1630(동309)	R. Balasubramanian	English	This course considers the question of how to manage natural resources wisely, develops objectives of natural resource management, and evaluates current management of natural resources against these objectives. Students will learn how to identify the scope of potential impacts, and to understand the critical mechanisms that give rise to the impact.	Theory	
72	1	전선	3842	건축설계와조형	ARCHITECTURAL DESIGN AND FORM	3.0	5.0	건축	Architecture Design	Mon11-19 1400-1900(도면제작실 1)	Eric D. Reeder	English	This course introduces methods of architectural form composition with exploring form composition methodology through research as well as practicing architectural design process.	Theory+ Practice	
73	1	전선	3857	건축설계와조형	ARCHITECTURAL DESIGN AND FORM	3.0	5.0	건축	Architecture Engineering	Mon11-19 1400-1900(도면제작실 2)	Julia Karla	English	This course introduces methods of architectural form composition with exploring form composition methodology through research as well as practicing architectural design process.	Theory+ Practice	
74	1	전선	4005	건축설계와조형	ARCHITECTURAL DESIGN AND FORM	3.0	5.0	건축	Architecture Design	Mon11-19 1400-1900(도면제작실 3)	Marcos Brossa	English	This course introduces methods of architectural form composition with exploring form composition methodology through research as well as practicing architectural design process.	Theory+ Practice	
75	3	전선	3854	철근콘크리트공학1	REINFORCED CONCRETE ENGINEERING 1	3.0	3.0	건축공학	Architecture Engineering	Tue01-03 0900-1030(건A102), Thu04-06 1030-1200(건A102)	김한수	English	Subject teaches the strength, behavior, and design of reinforced concrete members subjected to moments, shear, and axial forces. It includes extensive discussion of the influence of the material properties on behavior.	Theory	
76	2	전필	2040	도자재료및기법2	CERAMIC MATERIAL & TECHNIQUE 2	3.0	4.0	공예	Ceramics	Wed01-08 0900-1300(도자공예실 1)	이하린	English	Scientific information about ceramic materials and process is presented. Students will do testing in the lab to augment the information presented in lectures. Techniques are presented that are a continuation of those learned in Basic Ceramics 1&2. The technical information learned will be utilized to make creative objects.	Theory+ Practice	
77	2	전선	3772	도시와국토	LAND AND CITY IN KOREA	3.0	4.0	공통사회, 지리학	Geography	Mon09-12 1300-1500(이B108), Thu09-12 1300-1500(이B101)	최재현	English	It will study the natural and human characteristics of the national land as well as concrete urban development issues in Korea.	Theory+ Practice	b-learning

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78	4	전선	3527	디지털공예디자인 스튜디오 2	DIGITAL CRAFT DESIGN STUDIO 2	3.0	4.0	금속공예	Metalsmith	Thu11-18 1400-1800 (Fri속공예실)	박성현	English	Based on Digital Consumer Product- Form and Structure 1, 2 studio courses experiences, students will produce digital portfolio as their final project. In order to accomplish such a goal, students will expand their experience, knowledge and insight through finding their own identity. Digital Design Studio 2 course is continuation of Digital Design Studio 1 course. Hence, students are encouraged to take courses in sequence.	Experiment +Practice	
79	3	전선	3528	디지털제품조형및구조2	DIGITAL CONSUMER PRODUCT-FORM AND STRUCTURE 2	3.0	4.0	금속공예	Metalsmith	Fri11-18 1400-1800(새304)	성국주	English	This course provides students access to latest technology and rapidly developing both software and hardware. Assignments often focus on consumer product design and students can expand into new materials. Students will also stress from the very beginning of planning to finish the craft products. This will train the students and enhance their ability to think more logically. These courses are continued courses for Digital Design Studio 1, 2 courses.	Experiment +Practice	
80	2	지교	0027	기초수치해석	INTRODUCTION TO NUMERICAL METHODS	3.0	3.0	기계공	Mechanical Engineering	Tue09-11(공B554), Thu14-16(공B554)	Alexander Olshevsky	English	This course is designed to develop a problem-solving capability through numerical procedures. This introductory course mainly includes the understanding of computer architecture and the exercise of programming language. Also, discussion on numerical errors and algorithms to solve various types of engineering problems will be provided to students.	Theory	
81	2	지교	0400	기초수치해석	INTRODUCTION TO NUMERICAL METHODS	3.0	3.0	기계공	Mechanical Engineering	Tue12-14(공B552), Fri10-12(공B552)	Alexander Olshevsky	English	This course is designed to develop an problem-solving capability through numerical procedures. This introductory course mainly includes the understanding of computer architecture and the exercise of programming language. Also, discussion on numerical errors and algorithms to solve various types of engineering problems will be provided to students.	Theory	
82	2	전필	2002	기계공학실험2	MECHANICAL ENGINEERING LAB. 2	1.0	2.0	기계공	Mechanical Engineering	Fri13-16 1500-1700(공B155)	이병욱	English	Engine performance test, heat exchanger test, refrigeration performance test, temperature measurement with a simple thermocouple, and flame stabilization test.	Experiment +Practice	b-learning
83	2	전필	2257	기계공학실험2	MECHANICAL ENGINEERING LAB. 2	1.0	2.0	기계공	Mechanical Engineering	Fri17-19 1700-1900(공B155)	이병욱	English	Engine performance test, heat exchanger test, refrigeration performance test, temperature measurement with a simple thermocouple, and flame stabilization test.	Experiment +Practice	b-learning
84	2	전필	2258	기계공학실험2	MECHANICAL ENGINEERING LAB. 2	1.0	2.0	기계공	Mechanical Engineering	Fri13-16 1500-1700(공E104)	김창완	English	Engine performance test, heat exchanger test, refrigeration performance test, temperature measurement with a simple thermocouple, and flame stabilization test.	Experiment +Practice	
85	2	전필	2259	기계공학실험2	MECHANICAL ENGINEERING LAB. 2	1.0	2.0	기계공	Mechanical Engineering	Fri17-19 1700-1900(공E104)	김창완	English	Engine performance test, heat exchanger test, refrigeration performance test, temperature measurement with a simple thermocouple, and flame stabilization test.	Experiment +Practice	
86	2	전선	3042	열역학	THERMODYNAMICS	3.0	3.0	기계공	Mechanical Engineering	Mon04-07 1030-1230(공B554), Wed04-05 1030-1130(공B554)	이병욱	English	Energy and its relationship to matter including the development of the three basic equations(energy, entropy, and property equations) and their applications to a wide range of engineering problems.	Theory	b-learning
87	4	전선	3146	에너지변환공학	ENERGY CONVERSION ENGINEERING	3.0	3.0	기계공	Mechanical Engineering	Mon04-06 1030-1200(공A303), Thu04-06 1030-1200(공A303)	박정규	English	The class starts with the Rankine cycle which is the typical cycle of a large modern power plant. The operating principle, performance and design of cycle components such as steam generator, turbine, condenser, feed water heaters are dealt. The important topics of gas turbine and combined steam and gas turbine cycle are treated. The promising technology of fuel cell conversion which avoids heat engine approach that dominates today's modern power systems is introduced.	Theory	
88	3	전선	3155	열전달	HEAT TRANSFER	3.0	3.0	기계공	Mechanical Engineering	Mon01-03 0900-1030(공A303), Tue05-07 1100-1230(공B552)	니양	English	Topics cover Fluid mechanics and Thermodynamics with emphasis on basic principles used in the energy sciences and their application in engineering systems. prerequisite: Fluid mechanics, Thermodynamics, intermediate calculus	Theory	
89	3	전선	3157	응용유체역학	APPLIED FLUID DYNAMICS	3.0	3.0	기계공	Mechanical Engineering	Mon04-06 1030-1200(공C481), Fri13-15 1500-1630(공B554)	Dipes Chakrabarthy	English	An advanced course in Fluid Mechanics : viscous flow in a duct, boundary layer flow past a streamlined body, one dimensional compressible flow, and open channel flow.	Theory	
90	3	전선	3160	터보기계설계	TUBOMACHINE DESIGN	3.0	4.0	기계공	Mechanical Engineering	Mon13-16 1500-1700(공B554), Wed07-10 1200-1400(공B554)	Dipes Chakrabarthy	English	Basic laws for turbo-machinery, the analysis and design of centrifugal and axial pumps, fan, turbine, compressor, and other fluid machinery.	Theory+Practice	
91	3	전선	3165	프로젝트설계	PROJECT DESIGN	2.0	3.0	기계공	Mechanical Engineering	Tue00 0800-0900(공A406), Wed00 0800-0900(공A406), Fri11-12 1400-1500(공A406)	정태건	English	Performing the full procedures of design and manufacturing for some selective topics based on the introductory and application courses. Team project to apply the knowledge about the major field.	Theory+Practice	



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92	3	전선	3718	열전달	HEAT TRANSFER	3.0	3.0	기계공	Mechanical Engineering	Mon01-03 0900-1030(공B554), Tue05-07 1100-1230(공B554)	Dipes Chakrabar thy	English	Topics cover Fluid mechanics and Thermodynamics with emphasis on basic principles used in the energy sciences and their application in engineering systems. prerequisite: Fluid mechanics, Thermodynamics, intermediate calculus	Theory	
93	3	전선	3719	응용기계설계	APPLICATION OF MACHINE DESIGN	3.0	4.0	기계공	Mechanical Engineering	Tue19-20 1815-1945(공1102), Thu09-12 1300-1500(공B552)	김창완	English	Practice in design methods for some important elements: gear rotation equipment, coil spring, strength of shaft, leaf spring control, torsion bar, and others.	Theory+ Practice	b-learning
94	3	전선	3720	프로젝트설계	PROJECT DESIGN	2.0	3.0	기계공	Mechanical Engineering	Tue00 0800-0900(공B554), Wed00 0800-0900(공B554), Fri11-12 1400-1500(공B554)	김창완	English	Performing the full procedures of design and manufacturing for some selective topics based on the introductory and application courses. Team project to apply the knowledge about the major field.	Theory+ Practice	
95	3	전선	3153	시스템설계	SYSTEM MODELING, SIMULATION AND DESIGN	3.0	4.0	기계공, 디스플레이공 학연계	Mechanical Engineering (Related to Display Engineering)	Tue01-04 0900-1100(공B554), Thu03-06 1000-1200(공B554)	신기현	English	Modeling, analysis, and design of dynamic systems. Experimental validation of mathematical models of dynamic systems.	Theory+ Practice	
96	3	전선	3404	유전체학및실습	GENOMICS & PRACTICE	3.0	4.0	동생공	Animal Biotechnology	Wed11-14(동301), Thu03-06(동301)	박찬규	English	Introduction to basic theory and technique for DNA collecting, sorting, alignment of pair of sequence and genome analysis.	Theory+ Practice	
97	3	전선	3405	동물발생공학	ANIMAL EMBRYOLOGIC TECHNOLOGY	3.0	3.0	동생공	Animal Biotechnology	Tue15-18 1600-1800(동320), Wed01-02 0900-1000(동320)	Thuan	English	Basic course for whole procedure about embryology including spermatogenesis, oogenesis, fertilization, and preimplantation embryo development and lecture about industrial applications.	Theory	
98	3	전선	3415	동물생명공학및실습	ANIMAL BIOTECHNOLOGY AND EXPERIMENT	3.0	4.0	동생공	Animal Biotechnology	Tue01-08 0900-1300(동301)	이훈택	English	Advanced course to understand the concepts in genetic engineering for improvement of productivity in farm animal, and to introduce newly developed techniques concerning gene manipulation.	Theory+ Practice	
99	4	전선	3416	약리학개론	INTRODUCTORY PHARMACOLOGY	3.0	3.0	동생공	Animal Biotechnology	Mon17-18 1700-1800(동301), Thu07-10 1200-1400(동301)	Gupta Kumar	English	Introductory course on the basic concepts of pharmacology and major drugs used in animal industry in order to provide pharmacological knowledge required for animal production and management	Theory	
100	4	전선	3417	식품과학	FOOD SCIENCE & TECHNOLOGY	3.0	3.0	동생공	Animal Biotechnology	Wed03-06 1000-1200(동320), Fri05-06 1100-1200(동320)	민상기	English	The principal goals of Food Science & Technology are to determine the thermophysical and rheological properties of a range of food systems and food ingredients; to understand fundamental and applied aspects of meat, milk, grain, vegetable and crop storage and drying; process control of food processing operations; and develop computer models of food processing unit operations and of quality changes during processing.	Theory	
101	3	전선	3419	동물사양학	ANIMAL FEEDING & MANAGEMENT	3.0	3.0	동생활	Animal Science & Environment	Tue15-18 1600-1800(동711), Thu15-16 1600-1700(동711)	박근규	English	Animal feeding and management research area includes: Digestive physiology, nutrition and feeding of ruminant animals, Haemodialysis as an experimental device for research in ruminant nutrition and physiology, Studies on animal welfare, Role of the lower gut on the controle of gastric motility in ruminants, Control mechanisms of digestive tract functions in ruminants.	Theory	
102	4	전선	3422	국제동물산업학	INTRODUCTION TO INTERNATIONAL ANIMAL INDUSTRY	3.0	3.0	동생활	Animal Science & Environment	Mon01-04 0900-1100(동303), Wed09-10 1300-1400(동303)	강창원	English	Overview of animal production, feed industry, food products and processing originated from animals and international trading related to animal industries for the students interested in international animal business	Theory	
103	4	전선	3425	세미나	SEMINAR	2.0	3.0	동생활	Animal Science & Environment	Tue01-04 0900-1100(동303), Thu13-14 1500-1600(동303)	강창원	English	Training the presentation skill by introduction of presentation and discussion about current topics on research and industry of animal production.	Theory	
104	2	전선	3431	가축면역학	LIVESTOCK IMMUNOLOGY	3.0	3.0	동생활	Animal Science & Environment	Mon03-05 1000-1130(동304), Wed03-05 1000-1130(동304)	조재순	English	The goal of this course is to provide the student with a basic knowledge of immunology, and antibody- & cell-mediated immunities related to livestock nutrition.	Theory	
105	3	전필	2101	양자물리학개론및실습	QUANTUM PHYSICS	3.0	4.0	물리학	Physics	Mon03-06 1000-1200(01B103), Fri01-04 0900-1100(01B101)	이상욱	English	Basic concepts of quantum mechanics, such as uncertainty principles and Schroedinger's equation, are discussed based on both wave function formalism, and operator methods. Several examples including a particle in a potential well and the hydrogen atom will be presented to enhance students' understanding of the course materials.	Theory+ Practice	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
106	3	전필	2102	열및통계물리학1	THERMAL AND STATISTICAL PHYSICS I	3.0	3.0	물리학	Physics	Mon13-15 1500-1630(01B103), Wed14-16 1530-1700(01B101)	오선근	English	Study of physical systems consisting of a large number of particles. Basic laws of thermodynamics for macroscopic phenomena describe the common behavior of a thermal system by well-defined physical variables from experience and observation. Understanding of useful concepts of equilibrium statistical mechanics based upon ensemble theories in a microscale approach.	Theory	
107	2	전선	3727	고전역학특론및연습	ADVANCED CLASSICAL MECHANICS	3.0	4.0	물리학	Physics	Tue05-08 1100-1300(01B101), Wed05-08 1100-1300(01B103)	오선근	English	Lagrange and Hamiltonian dynamics, variational methods, normal modes, central force motion, and mechanics of continuous media. Prerequisite: Introduction to Classical Mechanics.	Theory+ Practice	
108	2	전선	3729	수리물리학1	MATHEMATICAL PHYSICS 1	3.0	3.0	물리학, 공통과학	Physics	Wed11-13 1400-1530(01B103), Thu01-03 0900-1030(01B101)	여준현	English	Vector and tensor analyses. Various coordinate systems and transformations. Matrix analysis and group theory. Infinite series. Complex variables, functions, and calculus of residues.	Theory	
109	2	지교	0019	화학공학개론	INTRODUCTION TO CHEMICAL ENGINEERING	3.0	3.0	미생물공학	Microbial Engineering	Mon01-03 0900-1030(공A402), Thu07-09 1200-1330(공A402)	이상현	English	This course provides a brief introduction to the field of chemical engineering in the context of the unit operation and the process design. Fundamental topics include understanding of unit operation, thermodynamics, and issues related to design and development of chemical engineering processes. Basic chemical, biochemical and engineering contents are also discussed.	Theory	
110	2	전선	3225	생화학2및실험	BIOCHEMISTRY 2 LABORATORY	3.0	4.0	미생물공학	Microbial Engineering	Mon04-07 1030-1230(공B551), Mon13-16 1500-1700(공B361)	이상현	English	Biochemistry transformation of biomolecules inside the cell will be introduced. Basic biochemical and engineering designs including enzymes, lipids or carbohydrates will be performed together with internet searching for the database on biotechnology.	Theory+ Practice	
111	2	전선	3226	세포생물학	CELL BIOLOGY	3.0	3.0	미생물공학	Microbial Engineering	Tue10-12 1330-1500(공B551), Thu01-03 0900-1030(공B551)	최태부	English	The molecular basis for structure and function in animal and plant cells. Composition, ultrastructure, regulation, and growth of eukaryotic cells. Energy transduction, cell division and organelle development will be stressed.	Theory	
112	3	전선	3229	유전자제어공학	GENETIC REGULATION AND TECHNOLOGY	3.0	3.0	미생물공학	Microbial Engineering	Mon09-14 1300-1600(공B551)	박인철	English	The lecture describes the DNA repair mechanism, regulations of gene activity in prokaryotes and eukaryotes, phage, manipulation of gene and microbial genetics.	Theory	
113	4	전선	3231	바이오에너지공학	BIOENERGY ENGINEERING	3.0	3.0	미생물공학	Microbial Engineering	Fri13-18 1500-1800(공B551)	김형주	English	The lecture describes current nano biotechnology, nano biomaterial and bio-energy production.	Theory	
114	3	전선	3232	세포신호전달시스템공학	CELL SIGNAL TRANSDUCTION SYSTEM ENGINEERING	3.0	3.0	미생물공학	Microbial Engineering	Wed09-14 1300-1600(공B551)	박인철	English	Lecturing inter- and intra-cellular signal transduction pathways, mechanisms and their regulatory systems in multicellular organism.	Theory	
115	3	전필	2023	부동산개발론	REAL ESTATE DEVELOPMENT	3.0	3.0	부동산학과	Real Estate Science	Mon04-06 1030-1200(상허관314), Wed01-03 0900-1030(상허관314)	심교연	English	Practice in real estate development and management through the management and propriety analysis of the project.	Theory	
116	2	전선	3329	재무관리	FINANCIAL MANAGEMENT	3.0	3.0	부동산학과	Real Estate Science	Tue07-09 1200-1330(상허관314), Thu10-12 1330-1500(상허관314)	신승우	English	Financial decision-making in the corporation and analytical techniques for solving financial problems are examined in this course. Financial decisions such as investing in fixed assets, obtaining debt and equity funds, and determining the proper amount of working capital are considered. Problems and cases are used to demonstrate the applicability of the analytical techniques.	Theory	
117	4	전선	3331	고급부동산금융론	ADVANCED REAL ESTATE FINANCE	3.0	3.0	부동산학과	Real Estate Science	Tue10-12 1330-1500(상허관314), Thu07-09 1200-1330(상허관314)	신승우	English	This consists of three subsections: real estate derivatives, real estate portfolio management and real estate securitization. Real estate derivatives include options, futures and swap agreement. Real estate portfolio management deals with managing portfolio of real estate assets, stocks and fixed income securities in the perspectives of institutional investors and private bankers. Lastly real estate securitization is about MBS, CMBS, ABS and REITs.	Theory	
118	4	전선	3332	부동산시설관리론	REAL ESTATE FACILITY MANAGEMENT	3.0	3.0	부동산학과	Real Estate Science	Mon10-12 1330-1500(상허관317), Wed07-09 1200-1330(상허관317)	이상엽	English	The class intends to help students to learn the concept of real estate facility, the facility management, the definition of related work activities, and procedure of facility management for the minimization of life cycle cost and maximization of facility value. The contents of class includes the introduction of facility management system (FMS) including the property and asset management, the maintenance and rehabilitation activities in facility management, the management information systems and data management, and the implementation of FMS based on case studies.	Theory	
119	3	전선	3494	분자생물학2	MOLECULAR BIOLOGY 2	3.0	3.0	분자생명공학	Molecular Biotechnology	Fri13-18 1500-1800(생253)	유재웅	English	Based on the knowledge from molecular biology 1, this course will teach 1) Specific transcription mechanism in prokaryote and eukaryote. 2) Posttranslational modification	Theory	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
120	4	전선	3498	세미나2	SEMINAR 2	3.0	3.0	분자생명공학	Molecular Biotechnology	Wed13-16 1500-1700(생454), Fri05-06 1100-1200(생454)	김두환	English	The course consisted of recent research and industrial trends related to life and genetic engineering. Students are asked to present and discuss on special topics regarding on future biotechnology as an individual or team	Theory	
121	2	전선	3499	미생물학실험	AGRICULTURAL FINANCE & CREDIT THEORIES	3.0	6.0	분자생명공학	Molecular Biotechnology	Wed11-18 1400-1800(생453), Fri04-07 1030-1230(생453)	천세철	English	Students are to learn general techniques in relation to isolation of bacteria, fungi and their culture, microscopy, cell count, isolation and electrophoresis of plasmid DNA, and ELISA test.	Experiment +Practice	
122	3	전필	2029	공간정보공학	GEO-SPATIAL INFORMATION SYSTEM	3.0	3.0	사회환경공학	Civil & Environmental System Engineering	Tue04-06 1030-1200(생402), Thu01-03 0900-1030(생402)	김성준	English	Learn the principles, theories, and techniques of Geographic Information System	Theory	
123	3	전선	3447	강구조공학	DESIGN OF STEEL STRUCTURES	3.0	3.0	사회환경공학	Civil & Environmental System Engineering	Mon04-06 1030-1200(생402), Wed01-03 0900-1030(생402)	김기두	English	Design and behavior of the elements of steel structures, proportioning members and connections using load and resistance factor design. Introduction to allowable stress design. Preliminary design of building frames.	Theory	
124	2	전선	3448	구조역학및연습	STRUCTURAL MECHANICS & EXERCISES	3.0	4.0	사회환경공학	Civil & Environmental System Engineering	Mon11-14 1400-1600(생351), Wed11-14 1400-1600(생351)	원종필	English	This course includes graphical and analytical calculations of forces and displacements in beams, trusses and other structures. Special focus is placed on the statically indeterminate structures.	Theory+Practice	
125	4	전선	3456	하천환경공학	ENVIRONMENTAL RIVER ENGINEERING	3.0	3.0	사회환경공학	Civil & Environmental System Engineering	Mon04-06 1030-1200(생453), Wed01-03 0900-1030(생453)	김선주	English	Learn about stream and river and their environmental friendly rearrangement and management	Theory	
126	4	전선	3457	생물환경공학	ENVIRONMENTAL BIOTECHNOLOGY	3.0	3.0	사회환경공학	Civil & Environmental System Engineering	Tue04-06 1030-1200(생254), Thu01-03 0900-1030(생254)	박기영	English	Fundamentals of biochemical and microbial processes applied to environmental engineering processes, role of microorganisms in wastewater treatment and bioremediation, bioenergetics and kinetics, metabolism of xenobiotic compounds and disinfection.	Theory	
127	2	전선	3236	공업확률통계	THEORY OF PROBABILITY AND STATISTICS 2	3.0	3.0	산업공학과	Industrial Engineering	Mon04-06 1030-1200(새203), Wed01-03 0900-1030(공B565)	김경미	English	Probabilistic models and probability spaces. Conditional probability, independence. Random variables. Expectation and moments. Conditional expectation. Prediction. Variance, covariance and correlation. Inequalities.Law of large numbers. Normal distribution and central limit theorem. Densities: exponential, gamma, x2, t and F. Multiv	Theory	
128	3	전선	3243	실험계획법	EXPERIMENTAL DESIGN	3.0	3.0	산업공학과	Industrial Engineering	Tue07-09 1200-1330(새203), Thu10-12 1330-1500(공A403)	김경미	English	Basic ideas of experimental design with applications:completely randomized design, ramdnomized block design, factorial design, confounding, fractional design, fractional replication, split-plot design, and basic ideas of optimal design.	Theory	
129	3	전선	3245	의사결정론	DECISION MAKING	3.0	3.0	산업공학과	Industrial Engineering	Tue13-15 1500-1630(공B565), Wed13-15 1500-1630(공B565)	오광기	English	The use of economic analysis in engineering practice. Quantitative methods of comparing alternatives including depreciation, replacement analysis, break-even and minimum cost analysis, increment cost, and sunk cost. The effect of income taxes on economy studies.	Theory	
130	2	전선	3249	O.R.2	OPERATIONS RESEARCH II	3.0	3.0	산업공학과	Industrial Engineering	Tue01-03 0900-1030(공A403), Thu04-06 1030-1200(공A403)	고성석	English	The concepts and methods of Operations Research are pervasive. Students and graduates advise the the public and private sectors on energy policy; design and operation of urban emergency systems; defense; health care; water resource planning; the criminal justice system; transportation issues. They also address a wide variety of design and operational issues in communication and data networks; computer operations; marketing; finance; inventory planning; manufacturing; and many areas designed to improve business productivity and efficiency. The subject impacts biology and genomics, the internet, the airline system, international banking and finance. It is a subject of beauty, depth, infinite breadth and applicability.	Theory	
131	3	전필	2031	디자인영어4	DESIGN ENGLISH 4	2.0	3.0	산업디자인	Industrial Design	Tue03-08(예401)	이주영	English	The objective for these series(design English 1,2,3,4) of subjects is to help students to make design presentations in English freely.	Theory+Practice	
132	2	전필	2032	디자인영어2	DESIGN ENGLISH 2	2.0	3.0	산업디자인	Industrial Design	Fri03-08(예501)	이주연	English	The objective for these series(design English 1,2,3,4) of subjects is to help students to make design presentations in English freely.	Theory+Practice	
133	3	전필	2331	디자인영어4	DESIGN ENGLISH 4	2.0	3.0	산업디자인	Industrial Design	Tue09-14(예401)	이주영	English	The objective for these series(design English 1,2,3,4) of subjects is to help students to make design presentations in English freely.	Theory+Practice	
134	2	전필	2332	디자인영어2	DESIGN ENGLISH 2	2.0	3.0	산업디자인	Industrial Design	Fri11-16(예501)	이주연	English	The objective for these series(design English 1,2,3,4) of subjects is to help students to make design presentations in English freely.	Theory+Practice	
135	2	전선	3509	인터랙티브디자인2	INTERACTIVE DESIGN 2	3.0	4.0	산업디자인	Industrial Design	Tue01-08 0900-1300(예715)	강성중	English	This subject provides students with opportunities to produce experimental interactive media based on their study on new technologies and the new possibilities for the existence of things.	Theory+Practice	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
136	3	전선	3512	디지털디자인4	DIGITAL DESIGN 4	2.0	3.0	산업디자인	Industrial Design	Wed11-16 1400-1700(예715)	강성중	English	On completion of these series of subjects(Digital Design 1,2,3,4), students will be able to understand 3D computer programs and visualize design ideas and possible solutions to design problems.	Theory+Practice	
137	3	전선	3933	물리화학2	PHYSICAL CHEMISTRY 2	3.0	3.0	생명공학	Biotechnology & Bioscience	Tue10-12 1330-1500(산학219), Thu07-09 1200-1330(산학219)	김양미	English	Physical Chemistry A systematic treatment of the fundamental principles of physical chemistry; the state of matter, thermodynamics, phase equilibria, and chemical equilibria are covered.	Theory	
138	3	전선	3935	발생생물학	DEVELOPMENTAL BIOLOGY	3.0	3.0	생명공학	Biotechnology & Bioscience	Tue01-03 0900-1030(산학713), Thu04-06 1030-1200(산학713)	심용희	English	This course will provide concepts on gamete formation, fertilization, differentiation, organelle formation, sex determination in higher organisms such as Drosophila, C. elegans, plants, and mammals.	Theory	
139	2	전선	3265	생화학2	BIOCHEMISTRY 2	3.0	3.0	생명과학	Biological Science	Mon13-15 1500-1630(01B104), Tue1-03 0900-1030(01B104)	조명환	English	Basic principles and experiments in biochemistry, emphasizing the molecular structure, function, and metabolism of carbohydrates, lipids, proteins, and nucleic acids.	Theory	
140	4	전선	3751	면역생물학	IMMUNOLOGY	3.0	3.0	생명과학	Biological Science	Mon04-06 1030-1200(01B104), Tue04-06 1030-1200(01B104)	조명환	English	This course is intended as an introductory text for use in immunology courses for advanced undergraduate biology students, pre-medical students, and graduate students who want to know more about the immune system. It attempts to present the field of immunology from a consistent viewpoint, that of the host's interaction with an environment containing many species of potentially harmful microbes.	Theory	
141	2	전선	3757	생화학2	BIOCHEMISTRY 2	3.0	3.0	생명과학	Biological Science	Mon01-03 0900-1030(01B104), Tue10-12 1330-1500(01B104)	조명환	English	Basic principles and experiments in biochemistry, emphasizing the molecular structure, function, and metabolism of carbohydrates, lipids, proteins, and nucleic acids.	Theory	
142	3	전선	3759	인체생물학	HUMAN BIOLOGY	3.0	3.0	생명과학	Biological Science	Mon01-03 0900-1030(01B105), Fri01-03 0900-1030(01B104)	한정수	English	Studies of human cells and system that construct human body and abilities of various organs that are made from cells. Moreover, human actions, learning skills, hereditary characters and cancer which are the recent matters of concern are lectured.	Theory	
143	4	전선	3760	일반독성학	GENERAL TOXICOLOGY	3.0	3.0	생명과학	Biological Science	Tue10-12 1330-1500(01B101), Thu02-04 0930-1100(01B104)	김동학	English	Toxicology deals with the fundamental principle, mechanism of toxic action, historical background, and ultimate goal to protect humans from the exposure to toxic substances. As cause of diseases, toxicants such as carcinogens, mutagens, teratogens, and organ-specific toxicants will be studied in terms of their mechanistic role during disease development. Toxicology will be also focused on human safety and risk assessment.	Theory	
144	2	전필	2014	섬유재료역학및실험	MECHANICS OF TEXTILE MATERIALS AND EXPERIMENTS	3.0	4.0	섬유공학과	Textile Engineering	Mon03-06 1000-1200(공B555), Tue13-16 1500-1700(공B555)	서문호	English	This course offers the application training of general statics theory on the fiber materials, and its expansion to the viscoelasticity. It also includes mechanics of textile materials, which is a collection of numerous additives and separate fibers in structural form.	Theory+Practice	
145	2	전선	3219	섬유화학및기초설계	TEXTILE CHEMISTRY AND DESIGNS	3.0	4.0	섬유공학과	Textile Engineering	Wed01-04 0900-1100(공B233), Thu13-16 1500-1700(공B233)	고준석	English	This course offers the fundamental theory on textile chemistry such as chemical structure, reaction of organic compounds and synthesis. Also, actual designs are carried out together.	Theory+Practice	
146	4	전선	3220	기능성가공	FUNCTIONAL TEXTILE FINISHING	3.0	3.0	섬유공학과	Textile Engineering	Mon10-12 1330-1500(공B233), Thu04-06 1030-1200(공B233)	김성동	English	Graft copolymerization and plasma etching to provide desired properties to fabrics, various methods to improve serviceability such as water repellancy, anti-microbial activity, UV cut, and the newest textile finishing technologies are taught.	Theory	
147	4	전선	3222	섬유종합설계	TEXTILE CAPSTONE DESIGN	2.0	4.0	섬유공학과	Textile Engineering	Tue04-08 1030-1300(공B555), Fri13-15 1500-1630(공B555)	김형섭	English	From the research results obtained through various methods, a thesis or a design product is presented.	Experiment+Practice	
148	3	전선	3778	곡면의위상기하	GEOMETRY OF SURFACES	3.0	3.0	수학	Mathematics	Mon10-12 1330-1500(01B107), Thu07-09 1200-1330(01B107)	김태희	English	It covers topological classification of 2-dimensional surfaces, fundamental groups, and covering spaces. It also discusses geometric classification of universal covering spaces, over 2-dimensional surfaces.	Theory	
149	3	전선	3782	복소수함수론2	COMPLEX ANALYSIS 2	3.0	3.0	수학	Mathematics	Wed04-06 1030-1200(01B107), Fri04-06 1030-1200(01B107)	최인승	English	It covers properties of analytic functions in detail such as Cauchy integral formula, maximum and minimum theorem, Laurent series, residue theorem, and Riemann mapping, theorem.	Theory	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
150	3	전선	3790	환및가군	RINGS AND MODULES	3.0	3.0	수학	Mathematics	Mon04-06 1030-1200(01B107), Wed10-12 1330-1500(01B107)	이석민	English	It covers basic concepts of a ring such as ideals, quotient rings, ring homomorphism, and ring isomorphism, maximal and prime ideals, integral domains, Euclidean domains, unique factorization domains, and polynomial rings. It also deals with basic concepts of, an abelian group, free abelian group, and Tensor product.	Theory	
151	3	전선	3648	위상수학2	TOPOLOGY II	3.0	3.0	수학교육과	Mathematics Education	Mon01-03 0900-1030(사216), Wed04-06 1030-1200(사216)	문영호	English	As a continuation of General Topology I, this course covers compact space, locally compact space, connectedness, quotient space, net and filter, product, and topology.	Theory	
152	2	전선	3649	정수론	NUMBER THEORY	3.0	3.0	수학교육과	Mathematics Education	Tue01-03 0900-1030(사216), Thu04-06 1030-1200(사216)	김석진	English	It covers basic properties of number theory such as divisor, factorization, residue, congruence, Fermat's theorem and Euler's theorem, primitive roots and index, and simple, Diophantine equation. Furthermore it introduces coding theory and application to, communication theory.	Theory	
153	3	전선	3651	중등대수교육1	TOPICS IN HIGH SCHOOL ALGEBRA 1	3.0	3.0	수학교육과	Mathematics Education	Tue10-12 1330-1500(사218), Thu07-09 1200-1330(사218)	최상기	English	This course focuses on teaching methods of high school algebra. It also provides theoretical background of high school algebra such as primes, irreducibles, fundamental theorem of algebra, unique factorization domain, Euclidean domain, rational zene theorem, remainder theorem, Hauss lemma etc.	Theory	
154	2	전선	3652	해석학2	ANALYSIS II	3.0	3.0	수학교육과	Mathematics Education	Mon07-09 1200-1330(사216), Wed10-12 1330-1500(사216)	문영호	English	Power series, uniform convergence, Stone-Weierstrass theorem, Fourier series, Gamma function, inverse function theorem, and implicit function theorem.	Theory	
155	4	전선	3655	교직수학	MATHEMATICS FOR SECONDARY MATH TEACHERS	3.0	3.0	수학교육과	Mathematics Education	Mon07-09 1200-1330(사217), Wed10-12 1330-1500(사217)	최상기	English	This subject connects mathematics in high school and that in college. Calculus and Number Theory are main topics. High school teachers are invited to give a lecture on the practical teaching method. Various tools are used to construct geometrical models.	Theory	
156	3	전선	3184	고분자화학2	POLYMER CHEMISTRY 2	3.0	3.0	신소재공학	Materials Chemistry & Engineering	Tue01-03 0900-1030(공별231), Thu04-06 1030-1200(공별231)	유영태	English	Fundamentals related to structure-property relationship in polymers, ionic and coordination polymerization mechanism, co-polymerization principles, modification of polymers, and polymerization process.	Theory	
157	2	전선	3189	유기화학2	ORGANIC CHEMISTRY 2	3.0	3.0	신소재공학	Materials Chemistry & Engineering	Mon04-06 1030-1200(공별231), Wed01-03 0900-1030(공별231)	유영태	English	Organic Chemistry An integrated treatment of carbon compounds embracing nomenclature, structure, general methods of preparation, and a mechanistic interpretation of typical reactions.	Theory	
158	3	전선	3033	영미비평과문화	ANGLO-AMERICAN LITERARY CRITICISM AND CULTURE	3.0	3.0	영어영문	English Language & Literature	Tue17-18 1700-1800(문213), Fri09-12 1300-1500(문213)	김종갑	English	"Introduces basic literary theories of reading culture and inquires into the difference between high and low culture in terms of class, ideology, gender, social status. Students are supposed to ask serious questions about the nature of their own cultural activities and consumption. "	Theory	
159	3	전선	3038	영어통사론	ENGLISH SYNTAX	3.0	3.0	영어영문	English Language & Literature	Wed13-16 1500-1700(문213), Fri05-06 1100-1200(문213)	안희돈	English	"A lively and up-to-date introduction to contemporary work on transformational grammar. Four main topics: the goal of linguistic theory, syntactic structure, the nature and role of the lexicon, and the function of transformations and the principles governing their application. "	Theory	
160	4	전선	3043	응용영어학특강	TOPICS IN ENGLISH APPLIED LINGUISTICS	3.0	3.0	영어영문	English Language & Literature	Tue07-09 1200-1330(새303), Thu10-12 1330-1500(새303)	전문기	English	The course will consider the application of various branches of linguistics and related disciplines to language learning and processing, use and teaching.	Theory	
161	2	전선	3476	미국문화와영화	AMERICAN CULTURE AND MOVIES	3.0	3.0	영어영문	English Language & Literature	Mon13-16 1500-1700(문302), Thu17-18 1700-1800(문302)	이형식	English	"Introduction to study of popular film as narrative form and cultural product. Overview of the musical, comedy, western. Analysis of film stars, history of film technology and study of audience. "	Theory	
162	2	전선	3986	영문학개론2	INTRODUCTION TO ENGLISH LITERATURE 2	3.0	3.0	영어영문	English Language & Literature	Tue10-12 1330-1500(문213), Thu07-09 1200-1330(문213)	이혜수	English	In order to enhance students' understanding of British literature, this course surveys major topics, authors, and genres of each era in British literature by reading representative works.	Theory	
163	4	전선	3994	영어토론및발표	ENGLISH DEBATE & PUBLIC SPEAKING	3.0	3.0	영어영문	English Language & Literature	Tue01-03(문213), Thu04-06(문305)	Jason Lim	English	This class is designed to improve students' oral proficiency in debating on various current issues, and to train students to develop their ability of public speaking for effective presentations before audience.	Theory	English major students only
164	4	전선	3995	영어토론및발표	ENGLISH DEBATE & PUBLIC SPEAKING	3.0	3.0	영어영문	English Language & Literature	Tue04-06 1030-1200(문305), Thu01-03 0900-1030(문305)	Jason Lim	English	This class is designed to improve students' oral proficiency in debating on various current issues, and to train students to develop their ability of public speaking for effective presentations before audience.	Theory	English major students only



No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
165	2	전선	4003	실용영작문	PRACTICAL WRITING	3.0	3.0	영어영문	English Language & Literature	Mon04-06 1030-1200(산학211), Tue01-03 0900-1030(산학211)	Grasse	English	This course provides students with opportunities to practice and develop their ability to write everyday writing such as invitation, business letters and so on.	Theory	English major students only
166	2	전선	4004	실용영작문	PRACTICAL WRITING	3.0	3.0	영어영문	English Language & Literature	Tue04-06 1030-1200(산학211), Thu01-03 0900-1030(산학211)	Grasse	English	This course provides students with opportunities to practice and develop their ability to write everyday writing such as invitation, business letters and so on.	Theory	English major students only
167	2	전선	4070	응용영어학입문	INTRODUCTION TO APPLIED ENGLISH LINGUISTICS	3.0	3.0	영어영문	English Language & Literature	Fri11-16(문302)	안희돈	English	Introduction to basic concepts in applied English linguistics: psycholinguistics, sociolinguistics, language acquisition, and computational linguistics.	Theory	
168	2	전선	4071	응용영어학입문	INTRODUCTION TO APPLIED ENGLISH LINGUISTICS	3.0	3.0	영어영문	English Language & Literature	Fri13-18(산학211)	크리스찬 김	English	Introduction to basic concepts in applied English linguistics: psycholinguistics, sociolinguistics, language acquisition, and computational linguistics.	Theory	
169	2	전선	4124	미문학개론	INTRODUCTION TO AMERICAN LITERATURE	3.0	3.0	영어영문	English Language & Literature	Tue01-06 0900-1200(문215)	강형민	English	"Introduction to basic concepts in applied English linguistics: psycholinguistics, sociolinguistics, language acquisition, and computational linguistics. "	Theory	
170	1	지교	0080	디지털영상워크샵2	DIGITAL MOVING IMAGE WORKSHOP 2	3.0	4.0	영화	Film(Movie)	Mon09-16 1300-1700(예402)	Marc Hyun Kim	English	Pre-Intermediate Digital Moving Image Workshop required by the Film Major.	Theory+ Practice	
171	1	지교	0997	디지털영상워크샵2	DIGITAL MOVING IMAGE WORKSHOP 2	3.0	4.0	영화	Film(Movie)	Mon17-21 1700-2030(예402)	Marc Hyun Kim	English	Pre-Intermediate Digital Moving Image Workshop required by the Film Major.	Theory+ Practice	
172	3	전선	3600	연출분석세미나	FILM ANALYSIS SEMINAR	3.0	3.0	영화	Film(Movie)	Tue11-16 1400-1700(예414)	김태희	English	Analysis and criticism on film directing style, mise en scene and montage.	Theory	
173	2	전선	3607	매소드연기	METHOD ACTING	2.0	3.0	영화	Film(Movie)	Tue09-14 1300-1600(예219)	조성덕	English	Method is famous for hollywood film acting style and also for realistic acting style.	Theory+ Practice	
174	2	지교	0053	기능성식품학	FUNCTIONAL FOOD SCIENCE	3.0	3.0	응용생물과학	Applied Bioscience	Thu01-06 0900-1200(생455)	김기태	English	It's not for introduction to the function of food as a source of nutrition, but for third function of food.	Theory	
175	3	전선	3475	발효화학및실험	FERMENTATION CHEMISTRY AND LAB	3.0	4.0	응용생물과학	Applied Bioscience	Mon04-07 1030-1230(생253), Mon11-14 1400-1600(생510)	이시경	English	Introduction to the structure, basal metabolism and physiological characteristics of microorganisms; Research on bioenergy metabolism, biosynthesis of body components, and formation mechanism of effective fermentation product.	Theory+ Practice	
176	2	전선	3484	분자세포생물학	MOLECULAR CELL BIOLOGY	3.0	3.0	응용생물과학	Applied Bioscience	Tue01-06 0900-1200(생253)	허화영	English	General introduction of genetical, biochemical and physiological aspect of cells. Focused on role and formation of macromolecules such as DNA, RNA, carbohydrates, cell wall materials, lipid and function of major organelles of cells.	Theory	
177	3	전선	3488	식량자원학2	FOOD CROPS 2	3.0	3.0	응용생물과학	Applied Bioscience	Mon01-03 0900-1030(생253), Wed04-06 1030-1200(생253)	정일민	English	This subject will be discussed about basic and professional knowledge about physiology, ecology, morphology and cultivation of major farm products systematically.	Theory	
178	4	전선	3976	기능성식품학	FUNCTIONAL FOOD SCIENCE	3.0	3.0	응용생물과학	Applied Bioscience	Wed13-18(생253)	최경숙	English	It's not for introduction to the function of food as a source of nutrition, but for third function of food.	Theory	
179	4	전선	3978	식물생화학	PLANT BIOCHEMISTRY	3.0	3.0	응용생물과학	Applied Bioscience	Tue04-06 1030-1200(생452), Thu01-03 0900-1030(생452)	정일민	English	Lectures on the basic concepts of metabolic pathway, carbohydrates, lipid, protein and thermodynamics, energy requirement, regulation of metabolism, also on photosynthesis, respiration and nitrogen fixation in higher plant. Also, enzymes and pathways involved in plant intermediary metabolism.	Theory	
180	4	전선	3979	작물영양학	PLANT NUTRITION	3.0	3.0	응용생물과학	Applied Bioscience	Tue10-12 1330-1500(생252), Thu10-12 1330-1500(생252)	안종국	English	Information on plant nutrition, soil fertility, fertilizer management of the essential macro- and micro-elements.	Theory	
181	4	전선	3370	비모수통계학	NONPARAMETRIC STATISTICS	3.0	3.0	응용통계학과	Applied Statistics	Tue07-09(상허관219), Thu10-12(상허관219)	강소희	English	Application of rank-order statistics, sign statistics, the empirical distribution function, and runs to commonly occurring data structures, Emphasis on concepts, assumptions, and comparisons to normal theory methods.	Theory	
182	2	전선	3371	선형대수학	LINEAR ALGEBRA	3.0	3.0	응용통계학과	Applied Statistics	Mon04-06(상허관218), Wed01-03(상허관218)	박천건	English	This course deals with linear transformation, affine transformation, inner product, Hamilton-Cayley theorem, eigenvectors and eigenvalues.	Theory	
183	3	전선	3372	수리통계학2	MATHEMATICAL STATISTICS II	3.0	3.0	응용통계학과	Applied Statistics	Mon07-09(상허관222), Wed10-12(상허관222)	여성철	English	Introduction to the concepts of sufficient statistics, likelihood functions, and information numbers. Several methods of estimation, and Bayes estimation, as well as confidence interval methods. Methods of testing hypotheses, such as uniformly most powerful testing hypotheses, such as uniformly most powerful tests and likelihood ratio tests.	Theory	
184	4	전선	3376	통계전산처리2	COMPUTER PROCESSING OF STATISTICAL DATA II	3.0	3.0	응용통계학과	Applied Statistics	Wed13-16(상허관103), Fri05-06(상허관103)	서한손	English	Some theory of consulting and problem-solving, sketches of less familiar statistical methodologies, presentation of a seminar on statistical topics.	Theory+ Practice	



No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
185	3	전선	3380	데이터마이닝	DATAMINING	3.0	3.0	응용통계학과	Applied Statistics	Mon13-16(상허관218), Thu17-18(상허관218)	박천건	English	Based on current demanding of data mining, this course introduces basic concepts of data mining and applications. Main focus of this course is the applications of data mining techniques to real data sets using SAS or other statistical packages. In addition to real applications some elementary statistical theory related to data mining will be introduced.	Theory	
186	1	지교	0088	CAD2	CAD2	2.0	3.0	의상디자인	Apparel Design	Mon03-08 1000-1300(새304)	강인애	English	Through experimentation with various computer software,students will practice design process including idea development and printing.	Theory+ Practice	
187	1	지교	0289	CAD2	CAD2	2.0	3.0	의상디자인	Apparel Design	Mon11-16 1400-1700(새304)	강인애	English	Through experimentation with various computer software,students will practice design process including idea development and printing.	Theory+ Practice	
188	3	전필	2107	패션스튜디오1	FASHION STUDIO 1	3.0	4.0	의상디자인	Apparel Design	Tue11-18 1400-1800(배601)	고현진	English	It is a practice phase for the graduation exhibition in which students cover the whole corse regarding the starting a collection:market analysis, planning,choosing creating designs,actual construction of chosen designs, presentation, putting together into portfolio,etc.	Theory+ Practice	
189	2	전선	3538	입체구성2	DRAPING 2	3.0	4.0	의상디자인	Apparel Design	Wed01-08 0900-1300(배622)	김효숙	English	Further study of advanced draping for dress and jacket in muslin, knit and fashion fabric.	Theory+ Practice	
190	2	전선	3548	패션실무영어1	FASHION BUSINESS ENGLISH1	2.0	3.0	의상디자인	Apparel Design	Wed03-08 1000-1300(배412)	최수연	English	Practices English terms which are important in fashion business and focuses on conversation in the business situations.	Theory+ Practice	
191	2	전선	4059	패션실무영어1	FASHION BUSINESS ENGLISH1	2.0	3.0	의상디자인	Apparel Design	Wed11-16 1400-1700(배412)	최수연	English	Practices English terms which are important in fashion business and focuses on conversation in the business situations.	Theory+ Practice	
192	2	전필	2120	시스템프로그래밍	SYSTEM PROGRAMMING	3.0	3.0	인터넷·미디어	Internet & Media Engineering	Tue04-06 1030-1200(새601), Thu04-06 1030-1200(새403)	정갑주	English	System structures, assembler, loader, macros, and operating system structures. The students also practice developing various software applications.	Theory	
193	2	전필	2290	시스템프로그래밍	SYSTEM PROGRAMMING	3.0	3.0	인터넷·미디어	Internet & Media Engineering	Tue01-03 0900-1030(새403), Thu01-03 0900-1030(새403)	임상범	English	System structures, assembler, loader, macros, and operating system structures. The students also practice developing various software applications.	Theory	
194	4	전선	3911	웹컴퓨팅및응용	WEB COMPUTING AND ITS APPLICATION	3.0	4.0	인터넷·미디어	Internet & Media Engineering	Tue09-12 1300-1500(새401), Thu04-07 1030-1230(새401)	임민규	English	This course covers new technologies related to Web. Students will learn Web-based infrastructure, Web-based application software and the related technologies, such XML, Web Services, Semantic Web, etc	Theory+ Practice	
195	2	전선	3913	컴퓨터그래픽스	COMPUTER GRAPHICS	3.0	3.0	인터넷·미디어	Internet & Media Engineering	Mon01-03 0900-1030(새403), Wed01-03 0900-1030(새403)	김형석	English	This course covers applications of computer graphics such as computer animation and virtual reality. Its contents include basic theories and programming. Also, a term project is required in order to construct an application system using computer graphics technologies.	Theory	
196	3	전선	3914	프로그래밍언어론	PROGRAMMING LANGUAGE	3.0	3.0	인터넷·미디어	Internet & Media Engineering	Tue10-12 1330-1500(새503), Thu10-12 1330-1500(새503)	Christian Rinderknecht	English	Teaches the fundamental concepts of various high-level programming languages in terms of design concept and implementation techniques. Compares the concepts to the features of the existing programming languages	Theory	
197	4	전선	3918	컴퓨터그래픽스응용	COMPUTER GRAPHICS APPLICATION	3.0	3.0	인터넷·미디어	Internet & Media Engineering	Tue01-03 0900-1030(새503), Thu01-03 0900-1030(새503)	김지인	English	After studying the basic concepts of computer graphics, such as 2-D transformation, clipping and windowing, we cover various graphic I/O devices and techniques and step into more advanced topics like Raster graphics and 3-D graphics.	Theory	
198	4	전선	3919	컴퓨터보안	COMPUTER SECURITY	3.0	3.0	인터넷·미디어	Internet & Media Engineering	Thu16-18 1630-1800(새503), Fri16-18 1630-1800(새503)	서정욱	English	This course covers system and network security technology through layered TCP/IP structure and QOS.	Theory	
199	2	전선	4045	소프트웨어공학	SOFTWARE ENGINEERING	3.0	3.0	인터넷·미디어	Internet & Media Engineering	Mon16-18 1630-1800(새403), Wed16-18 1630-1800(새503)	Christian Rinderknecht	English	This course focuses on learning how to upgrade the quality of computer software by studying theoretical and practical methodologies related to software development processes such as planning, implementing, maintaining, etc.	Theory	
200	2	전선	4090	인공지능	ARTIFICIAL INTELLIGENCE	3.0	3.0	인터넷·미디어	Internet & Media Engineering	Mon13-15 1500-1630(새401), Wed13-15 1500-1630(새503)	Christian Rinderknecht	English	This course covers the concept and process of learning, decision making, expert system, natural language processing, and computer vision. It also studies Lisp and Prolog and their practice.	Theory	
201	3	전필	2901	전기상설설계프로젝트	ELECTIRC DESIGN PROJECT 2	3.0	3.0	전기공학과	Electrical Engineering	Thu15-19 1600-1900(공A212)	최영호	English	Pre-production will be performed based on the analysis of Electric Design Project 1. Sole role will be assigned to each individual to finalize his/her project to show its economics based electrical performance and reliability.	Theory	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
202	3	전선	3178	제어시스템설계	CONTROL SYSTEM DESIGN	3.0	3.0	전기공학과	Electrical Engineering	Tue10-12 1330-1500(공C483), Thu07-09 1200-1330(공C483)	한수희	English	It covers the time and frequency domain analysis, stability, design and compensation for the control system and digital control.	Theory	
203	4	전선	3182	신재생에너지	ALTERNATIVE ENERGY	3.0	3.0	전기공학과	Electrical Engineering	Fri01-06 0900-1200(공C483)	이진우	English	It covers operation principles and processing techniques for new types of energy sources such as small hydro power, solar cell, fuel cell, hydrogen etc.	Theory	
204	2	전선	3897	신호및시스템	SIGNALS AND SYSTEMS	3.0	3.0	전자공	Electronic Engineering	Tue10-12 1330-1500(공C482), Thu07-09 1200-1330(공C482)	윤은철	English	LTI system, Convolution, Laplace transform, Fourier transform, Z-transform, Frequency response of continuous time system, Frequency response of discrete time system	Theory	
205	2	전선	3899	전자회로1	ELECTRONIC CIRCUITS 1	3.0	3.0	전자공	Electronic Engineering	Tue07-09 1200-1330(공C485), Thu10-12 1330-1500(공C485)	이강윤	English	Basic analog and digital circuit design using Bipolar Junction Transistors, Field Effect Transistors and integrated circuits.	Theory	
206	3	전선	3904	컴퓨터네트워크	COMPUTER NETWORK	3.0	3.0	전자공	Electronic Engineering	Tue01-03 0900-1030(공C485), Thu04-06 1030-1200(공C485)	김영범	English	LAN(Local Area Network), MAN(Metropolitan Area Network), WAN(Wide Area Network), Switching technology, ATM, TCP/IP.	Theory	
207	4	전선	3906	고속통신망	HIGH SPEED COMMUNICATION NETWORKS	3.0	3.0	전자공	Electronic Engineering	Mon01-03 0900-1030(공C485), Wed04-06 1030-1200(공C485)	권영구	English	Internet traffic control, ATM traffic control, Wireless networks, Quality of Services.	Theory	
208	2	전선	4013	전자회로1	ELECTRONIC CIRCUITS 1	3.0	3.0	전자공	Electronic Engineering	Tue10-12 1330-1500(공C485), Thu07-09 1200-1330(공C485)	이강윤	English	Basic analog and digital circuit design using Bipolar Junction Transistors, Field Effect Transistors and integrated circuits.	Theory	
209	3	전선	4018	컴퓨터네트워크	COMPUTER NETWORK	3.0	3.0	전자공	Electronic Engineering	Tue04-06 1030-1200(공C485), Thu01-03 0900-1030(공C485)	김영범	English	LAN(Local Area Network), MAN(Metropolitan Area Network), WAN(Wide Area Network), Switching technology, ATM, TCP/IP.	Theory	
210	4	전선	3891	디스플레이공학및설계	DISPLAY ENGINEERING	3.0	3.0	전자공, 디스플레이공 학연계	Electronic Engineering	Tue10-12 1330-1500(공C481-1), Thu04-06 1030-1200(공C481-1)	박기찬	English	LCD, PDP, OEL, Physical analysis and operating mechanism, OEL structure and energy band.	Theory	
211		선교	1145	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Mon01-04(산학201)(b-러닝), Fri19(b-러닝)	황중배, Patrick	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
212		선교	1146	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon01-03(산학203), Wed04-06(산학203)	George	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
213		선교	1147	실용영어3	PRACTICAL ENGLISH 3	2.0	3.0	전체	All majors	Mon01-03(산학205), Wed04-06(산학205)	Scott	English	This course aims at developing advanced level proficiency in both spoken and written English so that students can effectively function not only in academic but also business contexts. Students are expected to read with comprehension texts of various topics and genres, and to have skills in both academic and practical writing.	Theory	
214		선교	1148	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Mon05-08(산학201)(b-러닝), Fri19(b-러닝)	황중배, Patrick	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
215		선교	1149	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Mon09-12(산학201)(b-러닝), Fri19(b-러닝)	황중배, Holden	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
216		선교	1150	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Mon13-16(산학201)(b-러닝), Fri19(b-러닝)	황중배, Holden	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
217		선교	1151	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Tue01-04(산학201)(b-러닝), Fri19(b-러닝)	황중배, Scott	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
218		선교	1152	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Tue05-08(산학201)(b-러닝), Fri19(b-러닝)	황중배, Scott	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
219		선교	1153	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Tue09-12(산학201)(b-러닝), Fri19(b-러닝)	황중배, Eric	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
220		선교	1154	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Tue13-16(산학201)(b-러닝), Fri19(b-러닝)	황중배, Holden	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
221		선교	1155	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Wed01-04(산학201)(b-러닝), Fri19(b-러닝)	황중배, Katherine	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
222		선교	1156	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Wed05-08(산학201)(b-러닝), Fri19(b-러닝)	황중배, Holden	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
223		선교	1157	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Wed09-12(산학201)(b-러닝), Fri19(b-러닝)	황중배, Paul	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
224		선교	1158	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Wed13-16(산학201)(b-러닝), Fri19(b-러닝)	황중배, Paul	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
225		선교	1159	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Thu01-04(산학201)(b-러닝), Fri19(b-러닝)	황중배, Scott	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
226		선교	1160	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Thu05-08(산학201)(b-러닝), Fri19(b-러닝)	황중배, Stuart Adam Shein	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
227		선교	1161	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Thu09-12(산학201)(b-러닝), Fri19(b-러닝)	황중배, Stuart Adam Shein	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
228		선교	1162	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Thu13-16(산학201)(b-러닝), Fri19(b-러닝)	황중배, Jonathan Greener	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
229		선교	1163	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Fri01-04(산학201)(b-러닝), Fri19(b-러닝)	황중배, Jae	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
230		선교	1164	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Fri05-08(산학201)(b-러닝), Fri19(b-러닝)	황중배, Jae	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
231		선교	1165	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Fri09-12(산학201)(b-러닝), Fri19(b-러닝)	황중배, Jonathan Greener	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
232		선교	1166	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Fri13-16(산학201)(b-러닝), Fri19(b-러닝)	미배정, 황중배	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
233		선교	1167	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Mon01-04(산학202)(b-러닝), Fri19(b-러닝)	황중배, Eric	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
234		선교	1168	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Mon05-08(산학202)(b-러닝), Fri19(b-러닝)	황중배, Stuart Adam Shein	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
235		선교	1169	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Mon09-12(산학202)(b-러닝), Fri19(b-러닝)	황중배, Jonathan Greener	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
236		선교	1170	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Mon13-16(산학202)(b-러닝), Fri19(b-러닝)	황중배, Paul	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
237		선교	1171	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Tue01-04(산학202)(b-러닝), Fri19(b-러닝)	황중배, George	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
238		선교	1172	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Tue05-08(산학202)(b-러닝), Fri19(b-러닝)	황중배, George	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
239		선교	1173	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Tue09-12(산학202)(b-러닝), Fri19(b-러닝)	황중배, Stuart Adam Shein	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
240		선교	1174	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Fri01-04(산학202)(b-러닝), Fri19(b-러닝)	황중배, Patrick	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
241		선교	1175	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Wed01-04(산학202)(b-러닝), Fri19(b-러닝)	황중배, Eric	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
242		선교	1176	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Wed05-08(산학202)(b-러닝), Fri19(b-러닝)	황중배, Eric	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
243		선교	1177	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Wed09-12(산학202)(b-러닝), Fri19(b-러닝)	황중배, Patrick	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
244		선교	1178	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue01-03(산학203), Thu04-06(산학203)	Patrick	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
245		선교	1179	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon04-06(산학203), Wed01-03(산학203)	Scott	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
246		선교	1180	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue04-06(산학203), Thu01-03(산학203)	Patrick	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
247		선교	1181	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon07-09(산학203), Wed10-12(산학203)	Jae	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
248		선교	1182	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue07-09(산학203), Thu10-12(산학203)	Jae	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
249		선교	1183	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon10-12(산학203), Wed07-09(산학203)	Scott	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
250		선교	1184	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue10-12(산학203), Thu07-09(산학203)	Holden	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
251		선교	1185	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon01-03(산학204), Wed04-06(산학204)	Jonathan Greener	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
252		선교	1186	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue01-03(산학204), Thu04-06(산학204)	Eric	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
253		선교	1187	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon04-06(산학204), Wed01-03(산학204)	Jonathan Greener	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
254		선교	1188	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue04-06(산학204), Thu01-03(산학204)	Paul	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
255		선교	1189	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon07-09(산학204), Wed10-12(산학204)	George	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
256		선교	1190	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue07-09(산학204), Thu10-12(산학204)	Jonathan Greener	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
257		선교	1191	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon10-12(산학204), Wed07-09(산학204)	Stuart Adam Shein	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	



No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
258		선교	1192	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue10-12(산학204), Thu07-09(산학204)	Jae	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
259		선교	1193	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Wed13-15(산학203), Fri04-06(산학203)	Stuart Adam Shein	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
260		선교	1194	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue13-15(산학203), Fri07-09(산학203)	George	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
261		선교	1195	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Thu13-15(산학203), Fri10-12(산학203)	Stuart Adam Shein	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
262		선교	1196	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon13-15(산학203), Fri01-03(산학203)	Eric	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
263		선교	1197	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Wed13-15(산학204), Fri04-06(산학204)	Holden	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
264		선교	1198	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue13-15(산학204), Fri07-09(산학204)	Patrick	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
265		선교	1199	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Thu13-15(산학204), Fri10-12(산학204)	Paul	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
266		선교	1200	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon13-15(산학204), Fri01-03(산학204)	Jonathan Greener	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
267		선교	1201	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue07-09(산학205), Thu10-12(산학205)	Holden	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
268		선교	1202	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon10-12(산학205), Wed07-09(산학205)	Jae	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
269		선교	1203	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue10-12(산학205), Thu07-09(산학205)	Patrick	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	



No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
270		선교	1204	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Wed13-15(산학205), Fri04-06(산학205)	Scott	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
271		선교	1205	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue13-15(산학205), Fri07-09(산학205)	Eric	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
272		선교	1206	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Thu13-15(산학205), Fri10-12(산학205)	Jae	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
273		선교	1207	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Mon13-15(산학205), Fri01-03(산학205)	Stuart Adam Shein	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
274		선교	1208	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Tue13-15(산학202), Fri07-09(산학202)	Paul	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
275		선교	1209	실용영어2	PRACTICAL ENGLISH 2	2.0	3.0	전체	All majors	Thu13-15(산학202), Fri10-12(산학202)	George	English	Designed for students above the level of Practical English 1, this course aims at developing oral communication skills to the extent that little difficulty is experienced in daily communication. The focus of reading and writing practice is on acquiring wide range of expressions needed in real life situations and suitable for specific issues/themes.	Theory	
276		선교	1210	실용영어3	PRACTICAL ENGLISH 3	2.0	3.0	전체	All majors	Tue01-03(산학205), Thu04-06(산학205)	Paul	English	This course aims at developing advanced level proficiency in both spoken and written English so that students can effectively function not only in academic but also business contexts. Students are expected to read with comprehension texts of various topics and genres, and to have skills in both academic and practical writing.	Theory	
277		선교	1211	실용영어3	PRACTICAL ENGLISH 3	2.0	3.0	전체	All majors	Mon04-06(산학205), Wed01-03(산학205)	George	English	This course aims at developing advanced level proficiency in both spoken and written English so that students can effectively function not only in academic but also business contexts. Students are expected to read with comprehension texts of various topics and genres, and to have skills in both academic and practical writing.	Theory	
278		선교	1212	실용영어3	PRACTICAL ENGLISH 3	2.0	3.0	전체	All majors	Tue04-06(산학205), Thu01-03(산학205)	Holden	English	This course aims at developing advanced level proficiency in both spoken and written English so that students can effectively function not only in academic but also business contexts. Students are expected to read with comprehension texts of various topics and genres, and to have skills in both academic and practical writing.	Theory	
279		선교	1213	실용영어3	PRACTICAL ENGLISH 3	2.0	3.0	전체	All majors	Mon07-09(산학205), Wed10-12(산학205)	Eric	English	This course aims at developing advanced level proficiency in both spoken and written English so that students can effectively function not only in academic but also business contexts. Students are expected to read with comprehension texts of various topics and genres, and to have skills in both academic and practical writing.	Theory	
280		선교	1264	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Wed13-16(산학202)(b-러닝), Fri19(b-러닝)	황중배, George	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
281		선교	1265	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Thu01-04(산학202)(b-러닝), Fri19(b-러닝)	황중배, Katherine	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
282		선교	1266	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Thu05-08(산학202)(b-러닝), Fri19(b-러닝)	황중배, Scott	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
283		선교	1267	실용영어1	PRACTICAL ENGLISH 1	2.0	3.0	전체	All majors	Thu09-12(산학202)(b-러닝), Fri19(b-러닝)	황중배, Paul	English	This course aims at developing minimum level English proficiency expected from a recipient of higher education. Integration of four language skills are implemented towards the acquisition of correct English pronunciation and useful daily expressions in the target language, along with basic level text comprehension.	Theory	b-learning
284		선교	1432	서울의역사외문화	HISTORY AND CULTURE OF SEOUL (Note: This English title is subject to change.)	2.0	2.0	전체	All majors	Fri05-08 1100-1300(산학214)	김지형	English	Seoul, is where the many historic relics and various cultures remain since the prehistoric age, and is harmonized with traditions, advanced science, and diverse civilizations. This course introduces Seoul as a hub of the past, the present and the future, and provides strategic approach on structuring the upcoming future in both cultural and historical aspects.	Theory	
285	3	전선	3771	인구와자원	STUDIES IN POPULATION AND RESOURCES	3.0	4.0	지리학	Geography	Mon13-16 1500-1700(01B105), Wed05-08 1100-1300(01B105)	김숙진	English	This class will cover the basic ideas of population geography in relation to characteristics and management issues out of natural, human, social, and tourist resources within the framework of sustainable development.	Theory+ Practice	b-learning
286	4	전선	3066	역사철학	PHILOSOPHY OF HISTORY	3.0	3.0	철학	Philosophy	Fri07-12 1200-1500(문306)	서유석	English	study of the origin, goal, meaning, and value of history.	Theory	
287	3	전필	2025	농산물마케팅	MARKETING OF AGRICULTURAL PRODUCTS	3.0	3.0	축산경영	Livestock Business & Marketing Economics	Tue10-12 1330-1500(동319), Thu10-12 1330-1500(동319)	Puhazhendhi	English	Activities and conflicts involved in the marketing of Agriculture products. Management, economic activities, and the connecting link between specialized producers and consumers.	Theory	
288	3	전선	3394	농축산물선물시장론	FUTURE MARKET OF AGRICULTURAL PRODUCT	3.0	3.0	축산경영	Livestock Business & Marketing Economics	Mon10-12 1330-1500(동309), Wed04-06 1030-1200(동309)	김민경	English	This course covers the hedging, the speculative trading, and the price calculation. Also learns about these economical functions with using of how the forward, the futures, the option market which the economic agents are using to evade existing risk in the precarious world are managed.	Theory	
289	2	전선	3395	마케팅원론	INTRODUCTORY MARKETING MANAGEMENT	3.0	3.0	축산경영	Livestock Business & Marketing Economics	Mon04-06 1030-1200(동309), Thu04-06 1030-1200(동309)	Puhazhendhi	English	This course addresses the fundamental theory of marketing: the management of challenge of designing and implementing the best combination of marketing variables to carry out a firm's strategy. Specifically, this course provides skills to analyze the process of planning and executing the conception, pricing, promotion, and distribution in the perspective of making profit in the long-run.	Theory	
290	3	전선	3398	협동조합론	THEORY OF COOPERATION	3.0	3.0	축산경영	Livestock Business & Marketing Economics	Tue04-06 1030-1200(동319), Thu04-06 1030-1200(동319)	R. Balasubramanian	English	History of cooperatives, theory, and principles; problems of Indiana cooperatives; cooperative marketing and purchasing; factors contributing to the success of cooperatives.	Theory	
291	3	전선	3400	식품산업조직론	FOOD INDUSTRIAL ORGANIZATION	3.0	3.0	축산경영	Livestock Business & Marketing Economics	Wed11-12 1400-1500(동319), Fri11-14 1400-1600(동319)	정찬진	English	This course is focused on how agri-food industry responses to the strategic behavior of suppliers and consumers.	Theory	
292	2	전선	3402	식품시장구조론	ANALYSIS OF FOOD MARKET	3.0	3.0	축산경영	Livestock Business & Marketing Economics	Wed07-08 1200-1300(동309), Fri03-06 1000-1200(동309)	정찬진	English	This course analyzes the overall structure of an agri-food market, including competitive strategy, a role of information.	Theory	
293	4	전선	3433	미생물유전공학	MICROBIAL GENETIC ENGINEERING	3.0	3.0	축생공	Food Science & Biotechnology of Animal Resources	Mon11-12 1400-1500(동321), Fri03-06 1000-1200(동321)	Issara Sramala	English	Basic principles of microbial genetics, gene cloning, cell fusion and relationship between genetics and microbial industry	Theory	
294	4	전선	3434	발효공학	FERMENTATION ENGINEERING	3.0	3.0	축생공	Food Science & Biotechnology of Animal Resources	Tue01-06 0900-1200(동321)	김기태	English	Biosynthesis mechanism and production of valuable product using microbial fermentation.	Theory	
295	2	전선	3435	분자생물학	MOLECULAR BIOLOGY	3.0	3.0	축생공	Food Science & Biotechnology of Animal Resources	Mon03-06 1000-1200(동321), Wed05-06 1100-1200(동321)	오재욱	English	Introduction to DNA structure, function and replication, protein structure and function, gene regulations, bacterial gene transfer, viral DNA and regulation, and cancer virus will be focused.	Theory	
296	3	전선	3437	생화학세미나	SEMINAR IN BIOCHEMISTRY	3.0	3.0	축생공	Food Science & Biotechnology of Animal Resources	Thu13-18 1500-1800(동302)	김경남	English	Digestion and Transport of nutrition, carbohydrate metabolism, lipid metabolism, amino acid metabolism, nucleic acid metabolism, protein synthesis, electron transport and oxidative phosphorylation, photosynthesis and genetic information.	Theory	
297	3	전선	3439	식품분석및실험	FOOD ANALYSIS AND LAB	3.0	4.0	축생공	Food Science & Biotechnology of Animal Resources	Wed15-18 1600-1800(동321), Fri13-16 1500-1700(동321)	Prabhat Kumar Mandal	English	Learning the principles of analytical chemistry and learn the principle and method of chemically analytical statistics, weight analysis and food analysis by using experimental tools and computer.	Theory+ Practice	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
298	3	전선	3441	유제품공학	DAIRY TECHNOLOGY	3.0	3.0	축생공	Food Science & Biotechnology of Animal Resources	Tue01-04 0900-1100(동302), Thu03-04 1000-1100(동302)	윤여창	English	Lecture for the major dairy products dairy by-products, facilities and equipments	Theory	
299	2	전선	3446	식품과학	FOOD SCIENCE & TECHNOLOGY	3.0	3.0	축생공	Food Science & Biotechnology of Animal Resources	Mon09-10 1300-1400(동321), Wed01-04 0900-1100(동321)	Issara Sramala	English	The principal goals of Food Science & Technology are to determine the thermophysical and rheological properties of a range of food systems and food ingredients; to understand fundamental and applied aspects of meat, milk, grain, vegetable and crop storage and drying; process control of food processing operations; and develop computer models of food processing unit operations and of quality changes during processing.	Theory	
300	3	전선	3030	마케팅과기업커뮤니케이션	MARKETING AND COMMUNICATION OF CORPORATE	3.0	3.0	커뮤니케이션	Communication Science	Mon01-03(연구동408), Fri01-03(연구동408)	송치만	English	Understanding marketing strategy and efficient communication of corporate with analysis of positioning strategy, consumer behavior, CI and logo.	Theory	
301	3	전선	3870	네트워크프로그래밍	NETWORK PROGRAMMING	3.0	4.0	컴퓨터공	Computer Science & Engineering,	Mon07-10 1200-1400(새502), Wed07-10 1200-1400(새502)	김기천	English	This course is made of implementation of theory of data communication. TCP/IPv4 and TCP/IPv6 Socket is basically used for implementation. Term Project based evaluation are executed.	Theory+ Practice	
302	2	전선	3871	알고리즘	ALGORITHM	3.0	3.0	컴퓨터공	Computer Science & Engineering,	Mon03-04(새502), Thu03-06(새504)	이영환	English	Introduces the basic methods of designing algorithms. Learns how to analyze the time and space complexity of algorithms related to sorting, searching, graph and symbol table, etc.	Theory	
303	1	전선	3888	창의적공학설계입문	INTRODUCTION TO CREATIVE ENGINEERING DESIGN	2.0	2.0	컴퓨터공	Computer Science & Engineering,	Tue17-19 1700-1900(새402)	하영국	English	This course is an introduction to engineering design. Every week, students should solve given problems or should make a design suitable for a given situation. This course aims students to learn creativity and to become familiar with computer engineering.	Theory	
304	2	전선	3889	소프트웨어공학개론	INTRODUCTION TO SOFTWARE ENGINEERING	3.0	4.0	컴퓨터공	Computer Science & Engineering,	Mon05-08 1100-1300(새504), Tue09-12 1300-1500(새504)	유준범	English	This course introduces fundamental theories in Software Engineering to undergraduate sophomore or junior students. It looks into fundamentals of each stage from an aspect of the software lifecycle (analysis, design, implement, test, manage), and also takes some software developing practice using SASD(Structured Analysis and Design) method.	Theory+ Practice	
305	3	전선	4870	네트워크프로그래밍	NETWORK PROGRAMMING	3.0	4.0	컴퓨터공	Computer Science & Engineering,	Mon13-16 1500-1700(새502), Wed11-14 1400-1600(새502)	김기천	English	This course is made of implementation of theory of data communication. TCP/IPv4 and TCP/IPv6 Socket is basically used for implementation. Term Project based evaluation are executed.	Theory+ Practice	
306	1	지교	0063	DESKTOP DESIGN 2	DESKTOP DESIGN 2	2.0	3.0	텍스타일디자인공	Textile Design	Mon03-08 1000-1300(새303)	주경임	English	Through experimentation with various computer software, students will practice design process including idea development and printing.	Theory+ Practice	
307	4	전선	3556	필드스터디	FIELD STUDY	3.0	4.0	텍스타일디자인공	Textile Design	Tue01-08 0900-1300(새521)	김성달	English	Students are encouraged to have experience of real market through internship.	Theory+ Practice	
308	2	전선	3557	니트디자인1	KNIT 1	3.0	4.0	텍스타일디자인공	Textile Design	Mon01-08 0900-1300(새520)	김성달, 조배문	English	Students will acquire their knowledge, skill and critique of professional Dyeing process for the superior textile industry..	Theory+ Practice	
309	3	전선	3558	텍스타일CAD디자인	TEXTILE & CAD DESIGN	3.0	4.0	텍스타일디자인공	Textile Design	Wed01-08 0900-1300(새613)	조배문	English	Students will be able to develop creative designs using various expressions through Textile CAD program	Theory+ Practice	
310	2	전선	4099	니트디자인1	KNIT 1	3.0	4.0	텍스타일디자인공	Textile Design	Wed11-18 1400-1800(새520)	김성달, 조배문	English	Students will acquire their knowledge, skill and critique of professional Dyeing process for the superior textile industry..	Theory+ Practice	
311	4	전선	3132	교량설계	BRIDGE ENGINEERING AND DESIGN	3.0	4.0	토목공학과	Civil Engineering	Mon09-12 1300-1500(공C481), Wed09-12 1300-1500(새303)	하동호	English	Bridge design in structural steel and reinforced concrete. Analysis techniques for complex structures. Preliminary designs include investigating alternative structural systems and materials. Final designs include preparation of calculations and sketches.	Theory+ Practice	
312	2	전선	3137	응용측량학및실습	APPLIED LAND SURVEYING AND EXERCISES	3.0	4.0	토목공학과	Civil Engineering	Tue13-16 1500-1700(공B564), Thu09-12 1300-1500(공B564)	어양담	English	This lecture consists of triangulation, trilateration, GPS survey, topographic survey, route survey, area/volume calculation, aerial photogrammetry and golf course surveying	Theory+ Practice	
313	3	전선	3138	전산구조해석및실습	MATRIX STRUCTURAL ANALYSIS AND LAB.	3.0	4.0	토목공학과	Civil Engineering	Tue09-12 1300-1500(공C385), Fri03-06 1000-1200(새203)	이태형	English	Flexibility and stiffness matrices, equivalent joint loads, fundamentals of flexibility methods, fundamentals of stiffness methods, computer programs for structural analysis, and analysis of frames by computer programs.	Theory+ Practice	
314	2	전선	4047	응용역학	APPLIED MECHANICS	3.0	3.0	토목공학과	Civil Engineering	Tue10-12 1330-1500(공B564), Fri04-06 1030-1200(공B564)	추프랑샤	English	Stress-strain diagrams, Axially-loaded members, torsion of circular bars, stresses in beams, analysis of stress and strain, and deflection of beams	Theory	

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315	1	지교	0149	일반화학2	GENERAL CHEMISTRY 2	3.0	3.0	특성화학부	School of Teuksunghwa(Bio-Konkuk Program)	Tue07-09 1200-1330(산학713), Thu10-12 1330-1500(산학713)	김동은	English	Basic principles of reaction kinetics, electrochemistry, inorganic chemistry, organic chemistry and biochemistry will be introduced to understand physicochemical properties of various substances and their reactions.	Theory	
316	2	지교	0339	공학수학및연습2	ADVANCED ENGINEERING MATHEMATICS 2	3.0	4.0	항공우주정보 시스템공학과	Aerospace Information Engineering	Thu13-16(공별234), Fri11-14(공별234)	Budyono	English	Fourior analysis, partial differential equations, and complex analysis.	Theory+ Practice	
317	3	전선	3262	고속공기역학	HIGH SPEED AERODYNAMICS	3.0	3.0	항공우주정보 시스템공학과	Aerospace Information Engineering	Mon01-03 0900-1030(공별234), Wed01-03 0900-1030(공별234)	변영환	English	This course deals with compressibility, isentropic flow, normal/oblique shock wave and expansion wave, linearized subsonic/supersonic flow, supersonic airfoil, fundamental hypersonic flow. One can enhance her/his ability to understand the characteristics of high speed flow for designing engine nozzle and high speed airfoil, etc.	Theory	
318	4	전선	3272	항공우주시스템 통합설계	MULTI-DISCIPLINARY AEROSPACE SYSTEM DESIGN	3.0	3.0	항공우주정보 시스템공학과	Aerospace Information Engineering	Tue13-15 1500-1630(공C487), Thu13-15 1500-1630(공C487)	김상호	English	Required knowledge for the aerospace system design shall be defined and basic system design techniques shall be acquired. The course is divided into three parts. Part I covers the basics of Systems Engineering and its application to the aerospace system. In Part II, various optimization methods for the optimal system design, including unconstrained optimization methods, linear programming methods, constrained optimization methods and global optimization methods, will be introduced and explained. Finally, in Part III, Multidisciplinary Design and Optimization (MDO), one of recent system design approaches will be introduced. The concept and the methods of MDO will be addressed and the application for the aerospace system will be introduced.	Theory	
319	4	전선	3273	네트워크시스템	NETWORK SYSTEM	3.0	3.0	항공우주정보 시스템공학과	Aerospace Information Engineering	Tue04-06 1030-1200(공별234), Thu04-06 1030-1200(공별234)	박정근	English	The course will cover the basic concepts and principles of computer networks; layered network architectures, protocols, routing, network security, network management, applications and local area networks.	Theory	
320	2	전선	3276	컴퓨터응용기초	FUNDAMENTALS OF COMPUTER APPLICATIONS	3.0	3.0	항공우주정보 시스템공학과	Aerospace Information Engineering	Mon12-14 1430-1600(공C487), Wed12-14 1430-1600(공1102)	이정욱	English	This course introduces students to the fundamentals of computer software and information systems.	Theory	
321	4	전선	3278	전산유체해석및실습	COMPUTATIONAL FLUID ANALYSIS AND PRACTICE	3.0	3.0	항공우주정보 시스템공학과	Aerospace Information Engineering	Mon04-06 1030-1200(공1102), Wed04-06 1030-1200(공1102)	박수형	English	Based on introducing the ideal fluid flow equation, compressible and viscous flow equation, heat transfer equation. Discretization of partial differential equation, finite-difference method, finite volume methods for solution of Navier-Stokes and Euler, grid generation will be presented.	Theory	
322	3	전선	3274	센서원리및실습	SENSOR PRINCIPLES AND EXPERIMENTS	3.0	3.0	항공우주정보 시스템공학과, 로봇공학	Aerospace Information Engineering & Robotics	Mon13-15 1500-1630(공C481), Wed04-06 1030-1200(공별234)	성상경	English	Introduction to characteristics of sensor signals, design of signal conditioning circuit using Wheatstone bridge and operational amplifiers, temperature sensing, strain sensing, angular and linear motion sensing, magnetometer, and digital data acquisition and adjustments.	Theory	
323	4	전선	3739	무기화학특강	ADVANCED INORGANIC CHEMISTRY	3.0	3.0	화학	Chemistry	Mon04-06 1030-1200(이과201), Thu01-03 0900-1030(이B102)	도정환	English	Topics in Inorganic Chemistry A discussion of inorganic biochemistry, ligand field theory, molecular orbital theory, and structure determination.	Theory	Chemistry major students only
324	3	전선	3740	물리화학3	PHYSICAL CHEMISTRY III	3.0	3.0	화학	Chemistry	Mon04-06 1030-1200(이B102), Wed01-03 0900-1030(이B102)	표승문	English	Physical Chemistry A systematic treatment of the fundamental principles of physical chemistry; the state of matter, thermodynamics, phase equilibria, and chemical equilibria are covered.	Theory	Chemistry major students only
325	4	전선	3746	정보재료화학	MATERIAL CHEMISTRY OF INFORMATION DISPLAY	3.0	3.0	화학	Chemistry	Mon10-12(이과201), Wed18-19(이B102)	표승문	English	Information Material Chemistry A discussion of preparation and properties of semiconductor and information display(LCD, EL, PDP, FED) material on the base of material chemistry.	Theory	Chemistry major students only
326	2	전선	4745	유기화학실험	ORGANIC CHEMISTRY LAB	3.0	6.0	화학	Chemistry	Thu09-19 1300-1900(이실714)	박용선	English	Organic Chemistry Lab Basic techniques in the organic chemistry laboratory, identification of the functional group, and the synthesis of simple organic compounds.	Experiment+Practice	Chemistry major students only
327	4	전선	3195	고분자공학	POLYMER ENGINEERING	3.0	3.0	화학공학	Chemical Engineering	Thu07-12 1200-1500(공별232)	Jeya Marimuthu	English	Polymer chemistry, properties of polymer, and polymer processing.	Theory	
328	2	전선	3197	공업유기화학2	INDUSTRIAL ORGANIC CHEMISTRY II	3.0	3.0	화학공학	Chemical Engineering	Tue07-09 1200-1330(공A204), Thu04-06 1030-1200(공A204)	이정결	English	Fundamentals related to organic chemistry and the mechanisms of their reaction to establish the synthetic method and application of organic chemicals.	Theory	

No.	Year	Category	Course No.	Course Name (Korean)	Course Name (English)	Credit	Hour	College /Department (Korean)	College/Department (English)	Time/Classroom	Professor	Language	Course Description	Course Type	Remarks
329	2	전선	4024	공업유기화학2	INDUSTRIAL ORGANIC CHEMISTRY II	3.0	3.0	화학공학	Chemical Engineering	Tue10-12 1330-1500(공A204), Thu07-09 1200-1330(공A204)	이정걸	English	Fundamentals related to organic chemistry and the mechanisms of their reaction to establish the synthetic method and application of organic chemicals.	Theory	
330	2	지교	0013	수치해석	NUMERICAL ANALYSIS	3.0	3.0	화학공학, 환경공학과	Chemical Engineering & Environmental Engineering	Wed13-18 1500-1800(공B566)	Amgad Salama	English	Learn for treating mathematical, scientific, and engineering problems by using numerical analysis techniques	Theory	
331	2	지교	0269	수치해석	NUMERICAL ANALYSIS	3.0	3.0	환경공학과	Environmental Engineering	Wed01-06 0900-1200(새302)	Amgad Salama	English	Learn for treating mathematical, scientific, and engineering problems by using numerical analysis techniques	Theory	
332	3	전선	3251	대기모델링실습	ATMOSPHERIC MODELING: THEORY & PRACTICE	3.0	4.0	환경공학과	Environmental Engineering	Thu09-16 1300-1700(새203)	우정현	English	Principles of modeling, classification of atmospheric models, and their application. Practice in computer modeling improves the ability of understanding of field works and model limitations, analysis, assessment, and verification.	Theory+ Practice	
333	4	전선	3256	환경공학세미나실습	SEMINAR IN ENVIRONMENTAL ENGINEERING	3.0	4.0	환경공학과	Environmental Engineering	Fri01-08 0900-1300(공A404)	Diby Paul	English	Intensive study of how to present, how to discuss, and how to digest information to improve comprehensive problem-solving capability and executive ability indispensable to competent engineers required in environmental industry, along with enhancing professional knowledge of environmental engineering. The course is organized mainly with oral presentations employing multimedia materials, and also includes presentation and discussion in English and seminars by invited professionals. Topics can cover any subjects of environmental engineering including environmental laws and policy, current environmental issues, environmental management system, life cycle assessment, state-of-the-art of novel technology, and market survey. Also emphasizes self-development and various know-how of presentation, communication, career development, documentation, business affairs to meet global standards.	Theory	
334	4	전선	3258	환경생태도목공학	ECOTECHNOLOGICAL CIVIL ENGINEERING	3.0	3.0	환경공학과	Environmental Engineering	Wed04-09 1030-1330(공B567)	Diby Paul	English	Basic principles of general ecology, effect of environmental pollution on ecosystem, and ecological ethics and technology for environmental and civil engineers. Discussion on ecologically sound and sustainable development, its related technology, and pending issues of ecosystem disruption, especially focusing on civil construction works.	Theory	
335	2	전선	3259	환경자료분석	ENVIRONMENTAL DATA ANALYSIS	3.0	3.0	환경공학과	Environmental Engineering	Wed11-16 1400-1700(공A404)	선우영	English	Analysis of mathematical, statistical and sampling methodologies applied in engineering including data from experimental and measurement results in environmental field.	Theory	
336	2	지교	0055	상하수처리	WATER AND WASTEWATER TREATMENT	3.0	3.0	환경과학	Environmental Science	Tue04-06 1030-1200(생451), Thu01-03 0900-1030(생451)	윤춘경	English	Concepts and design methods for water and wastewater treatment are introduced. Emphasis is on the unit treatment process of water purification, basic concepts of water chemistry and constituent behavior, and water quality prediction and management in rivers and lakes.	Theory	
337	2	전선	3460	수질관리	WATER QUALITY MANAGEMENT	3.0	3.0	환경과학	Environmental Science	Tue07-09 1200-1330(생253), Thu10-12 1330-1500(생253)	안윤주	English	Develop fundamental knowledge of water quality parameter, mass balance, kinetics, and water treatment process.	Theory	
338	3	전선	3471	독성분석및실험	TOXICOLOGY LABORATORY	3.0	4.0	환경과학	Environmental Science	Wed10-13 1330-1530(생252), Thu17-19 1700-1900(생252)	안윤주	English	Learn a battery of toxicology evaluation methods using animals, plants and microorganisms	Theory+ Practice	
339	3	전선	3473	GIS/CAD기초	INTRODUCTION TO GIS/CAD	3.0	4.0	환경과학	Environmental Science	Tue09-12 1300-1500(생402), Thu09-12 1300-1500(생402)	이상우	English	GIS and remote sensing technologies play critical roles in this class for landscape analysis and management of sustainable landscapes. Students are required to understand how to use GIS in landscape ecology as well as GIS techniques in the class.	Theory+ Practice	
340	1	지교	0462	힘의과학	ENGINEERING MECHANICS	3.0	4.0	환경시스템	Environmental System	Mon03-06 1000-1200(생151), Wed03-06 1000-1200(생151)	원종필	English	This course is a study of force systems and their actions on bodies at rest. Topics include force systems, equilibrium, distributed forces, centroid, moment of inertia, and friction.	Theory+ Practice	
341	2	전선	3130	고전히브리어1	BIBLICAL HEBREW 1	2.0	3.0	히브리·중동	Jewish Middle East Studies	Tue04-06 1030-1200(문309), Thu01-03 0900-1030(문309)	최명덕	English	This course teaches a basic grammar of classical(biblical) Hebrew.	Theory	
342	3	전선	3117	세계속의유대인들	JEWS IN THE WORLD	3.0	3.0	히브리·중동, 유럽문화학	Jewish Middle East Studies	Mon10-12 1330-1500(문309), Wed07-09 1200-1330(문309)	최명덕	English	This course examines the history of the Jewish People when they were forced to leave the Holy Land after the destruction of the Second Temple(70 CE). The course is designed to consider the faith and ethnic consciousness of the Jewish People in overcoming the difficulties of the time.	Theory	