

## List of Courses offered in English for Spring 2023(Graduate)

Undergraduate exchange students can take up to 19 credits from the undergraduate courses and students should consider each prerequisite course written in the 'Note' section when they register for their courses.

※ Please check the e-class / notice / Ajou emails / Ajou Bb for updates from the professors

In case students have enough knowledge to take graduate courses, they can take up to 6 credits of graduate (master) courses but should go through prior approval of each professor. Instructions will be emailed to you.

Please note that seats in each courses are limited and the course registration is processed on a **first-come first served basis**. Since the course registration is highly competitive, your preferred courses are not guaranteed. Also, please make sure that the classes you are choosing should not be overlapped with other courses, so please refer the course timetable. After the course registration, students will have a chance to change their courses right after the semester starts.

**Course Registration: 2.23.(Thurs.) ~ 2.24.(Fri.)**

**Course Change: 3.2.(Thurs.) ~ 3.8.(Wed.)**

**Course Withdrawal: 3.27.(Mon.) ~ 3.29.(Wed.)**

\* M.DD.

### [Graduate Courses]

No	College	Major(KOR)	Major(ENG)	Course Name(KOR)	Course Name(ENG)	Professor	Code	Course Schedule(ENG)	Credits	Seats	Prerequisite Course	Note
1	일반대학원	AI융합네트워킹전공	AI Convergence Network	차세대통신표준기술	Standard Technologies for Next-Generation Communications	임근우(Lim Keun Woo)		Wed 9(Paldal Hall 1025) Wed 10(Paldal Hall 1025) Wed 11(Paldal Hall 1025)(Paldal Hall 1025)	3	15		
2	일반대학원	건축공학전공	Architectural Engineering	건설의사결정론	Decision Making & Risk Analysis	차희성(Cha, Hee Sung)		Mon 8.5(Industry-University Cooperation Building 827) Mon 9.5(Industry-University Cooperation Building 827) Mon 10.5(Industry-University Cooperation Building 827)(Industry-University Cooperation Building 827)	3	5		
3	일반대학원	건축공학전공	Architectural Engineering	건축기계학습기초	Machine Learning Basics	최병주(Choi, Byung Joo)		Wed 8.5 Wed 9.5 Wed 10.5(Industry-University Cooperation Building 814)	3	5	Linear Algebra	
4	일반대학원	건축공학전공	Architectural Engineering	건축연구방법특론	Advanced Research Methods in Architecture	이황(Yi, Hwang)		Tue 5 Tue 6 Tue 7(Industry-University Cooperation Building 827)	3	5		
5	일반대학원	교통공학전공(교통)	Transportation Engineering	신호제계분석	Analysis of Signal Control System	이철기(Lee,Choul-Ki)		Tue 10(Paldal Hall 211) Tue 11(Paldal Hall 211) Tue 12(Paldal Hall 211)(Paldal Hall 211)	3			
6	일반대학원	금융공학전공	Financial Engineering	선물옵션	Options & Futures	김현균(Hyun-Gyoon Kim)		Tue 8.5(Dasan Hall 505) Tue 9.5(Dasan Hall 505) Tue 10.5(Dasan Hall 505)(Dasan Hall 505)	3	5		
16	일반대학원	비즈니스애널리틱스전공	Business Analytics (Business Analytics and Information Systems)	소셜미디어 애널리틱스	Social Media Analytics	강민형(Minhyung Kang)		Tue 11(Dasan Hall 310) Tue 12(Dasan Hall 310) Tue 13(Dasan Hall 310)(Dasan Hall 310)	3	No limit	R Programming or Python Programming	
17	일반대학원	비즈니스애널리틱스전공	Business Analytics (Business Analytics and Information Systems)	머신러닝 기법 및 응용	Machine Learning: Methods and Applications	김태훈(Tae Hun Kim)		Tue 11(Dasan Hall B109) Tue 12(Dasan Hall B109) Tue 13(Dasan Hall B109)(Dasan Hall B109)	3	5	Business Statistics	
18	일반대학원	산업공학전공	Industrial Engineering	통신네트워킹설계	Telecommunication Network	김재훈(Kim, Jae-Hoon)		Thurs 8.5(Paldal Hall 310) Thurs 9.5(Paldal Hall 310) Thurs 10.5(Paldal Hall 310)(Paldal Hall 310)	3			
19	일반대학원	산업공학전공	Industrial Engineering	고등신뢰성공학	Advanced Reliability Engineering	정준하(Jung, Joon Ha)		Mon 10.5(Paldal Hall 110) Mon 11.5(Paldal Hall 110) Mon 12.5(Paldal Hall 110)(Paldal Hall 110)	3			
20	일반대학원	산업공학전공	Industrial Engineering	스마트 물류	Smart Logistics	신영철(Youngchul Shin)		Wed 10.5(Paldal Hall 110) Wed 11.5(Paldal Hall 110) Wed 12.5(Paldal Hall 110)(Paldal Hall 110)	3			

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21	일반대학원	산업공학전공	Industrial Engineering	확률적OR 1	Stochastic Operations Research 1	고정환(JEONGHAN KO)		Mon 7(Paldal Hall 1001) Mon 8(Paldal Hall 1001) Mon 9(Paldal Hall 1001)(Paldal Hall 1001)	3			
22	일반대학원	생명과학전공	Biological Science	분자세포학연구방법론	Experimental Molecular and Cellular Biology	한순기(Soon-Ki Han)		Mon 9(Woncheon Hall 242) Mon 10(Woncheon Hall 242) Mon 11(Woncheon Hall 242)(Woncheon Hall 242)	3	10	Biochemistry, Cell biology, Molecular biology	Presentation and discussion
23	일반대학원	수학전공	Mathematics	산업수학 특론 1	Industrial Mathematics Survey 1	신동욱(Dongwook Shin)		Mon D(Paldal Hall 621) Thurs D(Paldal Hall 621)(Paldal Hall 621)	3	3	Calculus, Linear Algebra 1, Numerical Analysis	
24	일반대학원	수학전공	Mathematics	대수학특강	Topics in Algebra	박형주(Hyungju Park)		Tue B(Paldal Hall 621) Thurs A(Paldal Hall 621)(Paldal Hall 621)	3	5	A reasonable understanding of undergraduate-level abstract algebra	
25	일반대학원	수학전공	Mathematics	통계자료분석II	Statistical Data Analysis II	권순선(Kwon Soon-sun )		Tue F(Paldal Hall 621) Thurs E(Paldal Hall 621)(Paldal Hall 621)	3	5	Probability and Statistics 1 & 2. Mathematical Statistics	
26	일반대학원	신소재공학전공	Materials Science and Engineering	전자재료가공기술	Processing of Electronic Materials	서형탁(HYUNG TAK SEO)		Thurs 7(Paldal Hall 735) Thurs 8(Paldal Hall 735) Thurs 9(Paldal Hall 735)(Paldal Hall 735)	3			
27	일반대학원	심리학전공	Psychology	정신병리학	Psychopathology	박정수(Jeongsoo Park)		Tue 1(Yulgok Hall 425) Tue 2(Yulgok Hall 425) Tue 3(Yulgok Hall 425)(Yulgok Hall 425)	3			
28	일반대학원	에너지시스템전공	Energy Systems	에너지전자기학	Electromagnetism in Energy Science	안광준(Ahn Kwang Jun)		Tue 4(Energy Center 101) Tue 5(Energy Center 101) Tue 6(Energy Center 101)(Energy Center 101)	3	No limit		Only the students in the department of physics and electrical engineering are recommended.
29	일반대학원	에너지시스템전공	Energy Systems	결정학	Crystallography	윤호섭(Hoseop Yun)		Tue 4(Woncheon Hall 243) Tue 5(Woncheon Hall 243) Tue 6(Woncheon Hall 243)(Woncheon Hall 243)	3	3	Inorganic Chemistry	
30	일반대학원	에너지재료공학전공	Energy Materials Science & Engineering	에너지저장기술	Energy Storage Technology	황종국(Hwang Jongkook)		Wed 1(Paldal Hall 735) Wed 2(Paldal Hall 735) Wed 3(Paldal Hall 735)(Paldal Hall 735)	3	6		
31	일반대학원	인공지능전공	Artificial Intelligence	자연어처리	Natural Language Processing	조현석(Hyunsouk Cho)		Tue C(Paldal Hall 407) Fri C(Paldal Hall 407)(Paldal Hall 407)	3	No limit	1. Machine learning / Deep learning(B+ <b>T</b> ) 2. Programming (B+ <b>T</b> ) 3. Data structure 4. Algorithm 5. Experience in operating Python Programming, Tensorflow/PyTorch Programming	
32	일반대학원	인공지능전공	Artificial Intelligence	인간중심인공지능개론	Human Centered Artificial Intelligence	이슬(Sael Lee)		Mon B(Paldal Hall 407) Thurs B(Paldal Hall 407)(Paldal Hall 407)	3	5		
33	일반대학원	인사조직전공	OB/HRM	조직이론연구	Research in organizational theory	정대용(Dae Yong Jeong)		Mon 11(Dasan Hall 505) Mon 12(Dasan Hall 505) Mon 13(Dasan Hall 505)(Dasan Hall 505)	3	5		
34	일반대학원	컴퓨터공학전공	Computer Engineering	고급분산시스템	Advanced Distributed Systems	김재훈(KIM, Jai Hoon)		Mon E(Paldal Hall 407) Wed E(Paldal Hall 407)(Paldal Hall 407)	3	5		

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35	일반대학원	컴퓨터공학전공	Computer Engineering	고급알고리즘	Advanced Algorithm	조다정(Da-Jung Cho)		Tue D(Paldal Hall 407) Thurs C(Paldal Hall 407)(Paldal Hall 407)	3	3		
36	일반대학원	컴퓨터공학전공	Computer Engineering	고급인공지능	Advanced Artificial Intelligence	유종빈(Jongbin Ryu)		Wed F(Paldal Hall 407) Fri F(Paldal Hall 407)(Paldal Hall 407)	3	2		
37	일반대학원	컴퓨터공학전공	Computer Engineering	전산생물학	Computational Biology	김소연(So Yeon Kim)		Wed D(Paldal Hall 407) Fri D(Paldal Hall 407)(Paldal Hall 407)	3	5		
38	일반대학원	컴퓨터공학전공	Computer Engineering	소프트웨어 요구공학	Software Requirements Engineering	이석원(Seok-Won Lee)		Mon F(Paldal Hall 407) Thurs F(Paldal Hall 407)(Paldal Hall 407)	3	10		
39	일반대학원	통/번역전공	Interpretation and Translation	통번역과 담화분석	Translation/Interpretation and Discourse Analysis	홍정욱(Jung Wook HONG)		Thurs 6(Dasan Hall 110) Thurs 7(Dasan Hall 110) Thurs 8(Dasan Hall 110)(Dasan Hall 110)	3	5		Undergraduate – Graduate Level
40	일반대학원	통/번역전공	Interpretation and Translation	번역학 입문	Introduction to Translation Studies	최성희( )		Fri 6(Dasan Hall 110) Fri 7(Dasan Hall 110) Fri 8(Dasan Hall 110)(Dasan Hall 110)	3	5		Undergraduate – Graduate Level
41	일반대학원	통/번역전공	Interpretation and Translation	통역의 이론과 실제	Interpretation Theory and Practice	강지혜(Ji-Hae Kang)		Tue 5(Dasan Hall 110) Tue 6(Dasan Hall 110) Tue 7(Dasan Hall 110)(Dasan Hall 110)	3	5		Undergraduate – Graduate Level
42	일반대학원	화장품과학전공(이)	Cosmetic Science	생물소재공학	Biomaterial Engineering	빈범호(Bin Bum-Ho)		Wed 9(Woncheon Hall 243) Wed 10(Woncheon Hall 243) Wed 11(Woncheon Hall 243)(Woncheon Hall 243)	3			
43	일반대학원			신재생에너지세미나 I	Seminar for Renewable Energy Studies I	이형우(Hyungwoo Lee)		Wed 9(Energy Center 101) Wed 10(Energy Center 101)(Energy Center 101)	2	2		
44	일반대학원	건축공학전공	Architectural Engineering	건축연구방법특론	Advanced Research Methods in Architecture	이황(HWANG YI)		Tue 5(Industry-University Cooperation Building 827) Tue 6(Industry-University Cooperation Building 827) Tue 7(Industry-University Cooperation Building 827)(Industry-University Cooperation Building 827)	3			
45	일반대학원	건축공학전공	Architectural Engineering	건축 기계학습 기초	Machine Learning Basics	최병주(Byungjoo Choi)		Wed 8.5(Industry-University Cooperation Building 814) Wed 9.5(Industry-University Cooperation Building 814) Wed 10.5(Industry-University Cooperation Building 814)(Industry-University Cooperation Building 814)	3			