

※Plan is subject to change, so please contact the department office.

Planned lectures for 2014-2017(4years)

● Undergraduate

2015. 12

| Classification | Course No. | Course Title | Professor | | | | | | | |
|-------------------------|------------|---|-----------------------|-----------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|
| | | | 2014 | | 2015 | | 2016 | | 2017 | |
| | | | Spring | Fall | Spring | Fall | Spring | Fall | Spring | Fall |
| Elective Basic Courses | ED100 | Freshman Design | | Tae-sik Lee | | | | | | |
| | IE 101 | Introduction to Operations Research | Chae Young Lee | Sehun Kim Chae Young Lee | Sehun Kim James R. Morrison | Sehun Kim Chae Young Lee | Sehun Kim James R. Morrison | Sehun Kim Chae Young Lee | Sehun Kim James R. Morrison | Sehun Kim Chae Young Lee |
| Mandatory Major Courses | IE 241 | Engineering Statistics I | Heeyoung Kim | | Heeyoung Kim | | Heeyoung Kim | | Heeyoung Kim | |
| | IE 251 | Manufacturing Process Innovation | Byoung Kyu Choi (Eng) | Byoung Kyu Choi (Kor) | Young Jae Jang (Eng) | Byoung Kyu Choi (Kor) | Young Jae Jang (Eng) | Byoung Kyu Choi (Kor) | Young Jae Jang (Eng) | Byoung Kyu Choi (Kor) |
| | IE 261 | Information Technology for Industrial Engineering | | Hyo-Won Suh | | Hyo-Won Suh | Hyo-Won Suh | | | Hyo-Won Suh |
| | IE 321 | Production Management I | | Hark Hwang | | Yeong-Dae Kim Tae-Eog Lee | | Yeong-Dae Kim Tae-Eog Lee | | Yeong-Dae Kim Tae-Eog Lee |
| | IE 331 | OR I - Optimization | Sungsoo Park | | Sungsoo Park | | Sungsoo Park | | Sungsoo Park | |
| | IE 332 | OR II - Stochastic Models | | James R. Morrison | | James R. Morrison | | James R. Morrison | | James R. Morrison |
| | IE 341 | Engineering Statistics II | | Bong-jin Yum | | Heeyoung Kim | | Heeyoung Kim | | Heeyoung Kim |
| | IE 362 | Applied Data Structures and Algorithms | | Il-Chul Moon | | Il-Chul Moon | | Il-Chul Moon | | Il-Chul Moon |
| Elective Major Courses | IE 231 | Applied Real Analysis and Probability | Kyoung-Kuk Kim | | Wanmo Kang | | Kyoung-Kuk Kim | | Wanmo Kang | |
| | IE 310 | Work Study | | | Hark Hwang | | | | | |
| | IE 312 | Introduction to Human Engineering | | | | | | | | |
| | IE 322 | Production Management II | | | | | | | Yeong-Dae Kim | |
| | IE 342 | Regression Analysis and Experimental Designs | | | Bong-jin Yum | | | | Bong-jin Yum | |

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| IE 353 | Product Development and Product Information Management | | | | | | | | |
| IE 361 | Human-Computer Interaction Design | | | | | | Wan Chul Yoon | | Wan Chul Yoon |
| IE 363 | Introduction to Modeling and Simulation | Byoung Kyu Choi | | Byoung Kyu Choi | | | | Byoung Kyu Choi | |
| IE 371 | Service System Engineering | Tae-Eog Lee | | Tae-Eog Lee | | | | Tae-Eog Lee | |
| IE 413 | Aesthetic Engineering | | | | | | | | |
| IE 414 | Cognitive Science and Systems | | | | | | | | |
| IE 421 | Engineering Economy and Cost Analysis | Hyo-Won Suh | | Hyo-Won Suh | | Yeong-Dae Kim | | Yeong-Dae Kim | |
| IE 423 | Logistics Management | Hark Hwang | | | Hark Hwang | | | | |
| IE 425 | Project Management | | | | Tae-Sik Lee | | Yeong-Dae Kim Tae-Sik Lee | | Tae-Sik Lee |
| IE 426 | Supply Chain Management | | | | Young Jae Jang | | Young Jae Jang | | Young Jae Jang |
| IE 431 | Introduction to Optimization Theory | | | | | | | | |
| IE 432 | Decision Analysis and Risk Management | | | Woo Chang Kim | | Woo Chang Kim | | Woo Chang Kim | |
| IE 434 | Introduction to Telecommunication Service and Systems | Chae Young Lee | | | | Chae Young Lee | | | |
| IE 435 | Telecommunication Service and Policy | | | Chae Young Lee | | | | Chae Young Lee | |
| IE 436 | Case Studies for Industrial & Systems Engineering | Young Jae Jang | | | | | | Young Jae Jang | |
| IE 441 | Quality Control | | Bong-jin Yum | | | | Bong-jin Yum | | |
| IE 442 | Case Studies in Statistical Data Analysis | Bong-jin Yum | | | | Bong-jin Yum | | | |
| IE 451 | IT Service Engineering | | June Sung Park | | | | June Sung Park | | |
| IE 452 | System | James R. | | | | | | | |

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| | IE 453 | Design Project Conceptual Design for Engineering Products | Morrison | | | | | | |
| | IE 461 | Business Process Engineering and Management | | June Sung Park | | June Sung Park | | | June Sung Park |
| | IE 463 | Information Systems Engineering and Management | | | | | | June Sung Park | |
| | IE 471 | Introduction to Financial Engineering | Hayong Shin | | Woo Chang Kim | | Woo Chang Kim Kyoung-Kuk Kim | | Woo Chang Kim Kyoung-Kuk Kim |
| | IE 472 | Socio-Economic Systems Modeling) | Il-Chul Moon | | Il-Chul Moon | | Il-Chul Moon | | Il-Chul Moon |
| | IE 473 | Financial Economics | | Sunyoung Park | | Sunyoung Park | | Sunyoung Park | Sunyoung Park |
| | IE 481A | iPodia | James R. Morrison | | James R. Morrison | | James R. Morrison | | |
| | IE 481B | Product Planning Strategy | | Hyo-Won Suh | | | | | |
| | IE 481C | Metaheuristic Optimization | | | | | Chae Young Lee | | Chae Young Lee |
| | IE 481D | Data Analytics | | | | | | | |

• Graduates

| Classification | Course No. | Course Title | Professor | | | | | | | |
|------------------------|--|--|----------------|--------------|--------------|-------------------|-----------------|-------------------|---------------|------------------------------------|
| | | | 2014 | | 2015 | | 2016 | | 2017 | |
| | | | Spring | Fall | Spring | Fall | Spring | Fall | Spring | Fall |
| General Courses | CC 513 | Engineering Economy & Cost Analysis | Hyo-Won Suh | | Hyo-Won Suh | | Yeong-Dae Kim | | Yeong-Dae Kim | |
| Elective Major Courses | IE 511 | Human Centered Systems Design | | | | | | | | |
| | IE 522 | Advanced Topics in Engineering Economy & Cost Analysis | | | | | | | | |
| | IE 523 | Production System Design | Yeong-Dae Kim | | | James R. Morrison | | James R. Morrison | | Yeong-Dae Kim James R. Morrison |
| | IE 524 | Optimal Location of Facilities | | | | | | | | |
| | IE 531 | Linear Programming | Sungsoo Park | | Sungsoo Park | | Sungsoo Park | | Sungsoo Park | |
| | IE 532 | Simulation and System Modeling | | | | | Byoung Kyu Choi | | | |
| | IE 533 | Systems Engineering | | | | | | | | |
| | IE 535 | Network Theory and Applications | | Sungsoo Park | | | | | | |
| | IE 536 | Scheduling Theory and Applications | | | Tae-Eog Lee | | Tae-Eog Lee | | Tae-Eog Lee | |
| | IE 537 | Business Telecommunication Systems | Chae Young Lee | | | | Chae Young Lee | | | |
| | IE 538 | Genetic Algorithms and Applications | | | | | | | | |
| | IE 539 | Convex Optimization | | | | Woo Chang Kim | | Woo chang Kim | | Woo Chang Kim |
| | IE 542 | Regression Analysis: Theory and Practice | | | | | | | Heeyoung Kim | |
| | IE 551 | Manufacturing System and Supply Chain | | | | | | | | |
| | IE 552 | CAD/CAM and Geometric Modeling | | | | | | | | |
| | IE 553 | Product Lifeclcle Management | | | | | | | | Hyo-Won Suh |
| | IE 554 | Knowledge-Based Design System | | | | | | | | |
| IE 561 | Advanced Information System Engineering | | | | | | | | | |
| IE 565 | Information Security Policy & management | Sehun Kim | | | | | | | | |
| IE 566 | Human-Computer Interaction: Theory and | | | Wan Chul | | | | Wan Chul Yoon | | |

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| | Design | | | Yoon | | | | | |
| IE 570 | Military Operations Research Theory and Applications | | | | | | | | |
| IE 571 | War Game Modeling | | Hae Kwan Lee | | | | | | |
| IE 572 | Analysis of Weapon Systems | Hae Kwan Lee | | | | | | | |
| IE 573 | Healthcare Service Delivery Systems | | | Taesik Lee | | Taesik Lee | | Taesik Lee | |
| IE 574 | Portfolio management and Financial Optimization | | Woo Chang Kim | | | | Woo Chang Kim | | |
| IE 575 | Structuring and Pricing of Financial Products | | | | | | | | |
| IE 576 | Risk Management | | | | Kyoung-Kuk Kim | | | | Kyoung-Kuk Kim |
| IE 577 | Fundamentals of Systems Engineering | | Taesik Lee | | Taesik Lee | | Taesik Lee | | Taesik Lee |
| IE 578 | Research in Financial Economics | Sunyoung Park | | | Sunyoung Park | Sunyoung Park | | Sunyoung Park | |
| IE 624 | Analysis of Inventory Management Systems | | | | | | | | |
| IE 631 | Integer Programming | | | | Sungsoo Park | | | | Sungsoo Park |
| IE 632 | Stochastic Processes | Kyung Chul Chae | | | | Kyoung-Kuk Kim | | Kyoung-Kuk Kim | |
| IE 633 | Queueing Theory | | Kyung Chul Chae | | | | | | |
| IE 635 | Combinatorial Optimization | | | | | | Sungsoo Park | | |
| IE 636 | Intelligent Systems & Soft Computing | | | | | | | | |
| IE 638 | Wireless and Cellular Communication Systems | | | | | | | | |

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|------------------------|---|---|--------------|----------------|--------|--------------|----------------|--------------|----------------|--------------|
| | | | 2014 | | 2015 | | 2016 | | 2017 | |
| | | | Spring | Fall | Spring | Fall | Spring | Fall | Spring | Fall |
| Elective Major Courses | IE 639 | Supply Chain Optimization | | | | | | | | |
| | IE 641 | Mathematical Statistics | | | | | | | | |
| | IE 642 | Forecasting and Time Series Analysis | | | | | | | | |
| | IE 643 | Design and Analysis of Experiments | | | | Bong-jin Yum | | | | Bong-jin Yum |
| | IE 644 | Life Testing and Survival Analysis | | | | | | | | |
| | IE 645 | Quality Engineering | | | | | | | | |
| | IE 646 | Data Mining | | | | | | | | |
| | IE 661 | Applications to AI/ES Technology | Il-Chul Moon | | | | | Il-Chul Moon | | Il-Chul Moon |
| | IE 671 | Stochastic Modeling II | | Kyoung-Kuk Kim | | | | | Kyoung-Kuk Kim | |
| | IE 722 | Material Storage & Handling Systems | | | | | | | | |
| IE 761 | Cognitive Engineering | Wan Chul Yoon | | Wan Chul Yoon | | | | | Wan Chul Yoon | |
| IE 801A | Special Topics in Industrial Engineering II (Cloud Computing) | June Sung Park | | June Sung Park | | | June Sung Park | | June Sung Park | |
| Research | IE 801B | Special Topics in Industrial Engineering II (Product Planning Strategy) | | Hyo-Won Suh | | | | | | |
| | IE 960 | Thesis (Master's Course) | | | | | | | | |
| | IE 980 | Thesis (Doctoral Course) | | | | | | | | |
| | IE 965 | Individual Study (MS) | | | | | | | | |
| | IE 985 | Individual Study (Ph.D.) | | | | | | | | |
| | IE 966 | Seminar in MS | | | | | | | | |
| | IE 986 | Seminar in Ph.D. | | | | | | | | |

주) Subject No. IE 5** stands for courses open to both undergraduate and graduate students.