AGENDA

• Review of Core Requirements
• Spring Electives
• Registration
• Q & A
CORE: MSOR PROGRAM

COURSES:
1. SIEO W4150 Probability & Statistics*
2. IEOR E4004 Deterministic Models*
3. IEOR E4106 Stochastic Models
4. IEOR E4404 Simulation

• Please remember at least 6 courses (18 credits) must be in the IEOR department (IEOR, SIEO, IEME, CSOR designation).
• IEOR E4004 and SIEO W4150 must be completed during first term of study.
CORE: MSIE PROGRAM

COURSES:
1. SIEO W4150 Probability & Statistics
2. IEOR E4000 Production Management
3. IEOR E4004 Deterministic Models
4. IEOR E4106 Stochastic Models

• Please remember at least 6 courses (18 credits) must be in the IEOR department (IEOR, SIEO, IEME, CSOR designation).
• IEOR E4000, 4004 and SIEO W4150 must be completed during first term of study.
CORE: MS&E PROGRAM

COURSES:
1. IEOR E4004 Deterministic Models
2. IEOR E4111 Operations Consulting
3. IEOR E4575 Probability Models for MS&E
4. IEOR E4576 Stochastic Models for MS&E

- Please remember at least 6 courses (18 credits) must be in the IEOR department (IEOR, SIEO, IEME, CSOR designation).
- IEOR E4111, 4004 and 4575 must be completed during first term of study.
MS&E SEMI CORE: DRO Electives

(9 pts total are required)

DROM B8108-060 Supply Chain Management
DROM B8122-060 MSE Game-Theoretic Business Strategy
DROM B8510-060 Managerial Negotiations
DROM B8116-060 Risk Management (1.5)
DROM B8130-060 Applied Statistics and Data Analysis (1.5)
MS&E SEMI CORE: Management Electives

(9 pts total, at least one from Management and one from Analysis)

1. ECON W4280 Corporate Finance
2. FINC B8307 Advanced Corporate Finance
3. IEOR E4205 Studies in Operations Research
4. IEOR E4510 Project Management
5. IEOR E4521 Systems Engineering Tools and Methods
7. IEOR E4560 Lean Launch Pad
8. IEOR E4998 Managing Tech Innovation & Entrepreneurship
MS&E SEMI CORE: Analysis

(9 pts total, at least one from Management and one from Analysis)

1. IEOR E4404 Simulation
2. IEOR E4405 Production Scheduling
3. IEOR E4525 Machine Learning for OR & FE
4. IEOR E4601 Dynamic Pricing and Revenue Management
5. IEOR E4611 Decision Models and Applications
6. IEOR E4615 Service Engineering
COURSES BY PROFESSIONAL AREAS OF INTEREST

1. Business Analytics
2. Consulting
3. Entrepreneurship
4. Finance and Financial Engineering
5. Operations Management
BUSINESS ANALYTICS

- DROM B8122-060 MSE Game-Theoretic Business Strategy
- DROM B8130 Applied Statistics and Data Analysis (1.5)
- IEOR E4525 Machine Learning for OR & FE
- IEOR E4574 Business Analytics for Operations Research
- IEOR E4611 Decision Models and Applications
- IEOR EXXXX DATA MINING
CONSULTING

• DROM B8108-060 Supply Chain Management
• DROM B8122-060 MSE Game-Theoretic Business Strategy
• DROM B8510-060 Managerial Negotiations
• IEOR E4205 Studies in Operations Research
• IEOR E4510 Project Management
• IEOR E4521 Systems Engineering Tools & Methods
• IEOR E4571 Applied Consulting
• IEOR E4611 Decision Models & Applications
• IEOR E4615 Service Engineering
ENTREPRENEURSHIP

- CSOR E4561 Intellectual Property for Entrepreneurs
- IEOR E4550 Entrepreneurial Business Creation for Eng.
- IEOR E4560 Lean Launch Pad
- IEOR E4998 Managing Tech. Innovation & Entrepreneurship
FINANCE & FINANCIAL ENGINEERING

- ECON W4280 Corporate Finance (By application)
- FINC B8307 Advanced Corporate Finance
- IEOR E4700 Introduction to Financial Engineering

- DROM B8116 Risk Management (1.5)
- IEOR E4602 Quantitative Risk Management
- IEOR E4630 Asset Allocation
- IEOR E4718 Introduction to the Implied Volatility Smile
- IEOR E4733 Algorithmic Trading
- IEOR E4736 Experimental Finance
OPERATIONS MANAGEMENT

• DROM B8108-060 Supply Chain Management
• DROM B8122-060 MSE Game-Theoretic Business Strategy
• IEOR E4412 Quality Control and Management
• IEOR E4405 Production Scheduling
• IEOR E4510 Project Management
• IEOR E4521 Systems Engineering Tools & Methods
• IEOR E4572 Operations Research in Telecommunications
• IEOR E4600 Applied Integer Programming
• IEOR E4611 Decision Models & Applications
• IEOR E4615 Service Engineering
Q & A