MS ADVISING
TOWN HALL
11/20/15
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 E4101 Probability Models for MS&E
4. IEOR E4102 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 4101 must be completed during first term of study.
MS&E DRO SEMI CORE

9 pts total are required

DROM B8122-060 MSE Game-Theoretic Business Strategy
DROM B8123-060 MSE Demand and Supply Analytics
DROM B8510-060 Managerial Negotiations

**MSOR & MSIE students may add (1) in January; they are only opened to MSEs in November.**
MS&E MANAGEMENT SEMI CORE

9 pts total, at least (1) from Management & (1) from Analysis

1. ECON W4280 Corporate Finance
2. FINC B8307-003 Advanced Corporate Finance
3. IEOR E4412 Quality Control and Management *new*
4. IEOR E4505 Operations Research in Public Policy
5. IEOR E4510 Project Management
6. IEOR E4575 Designing Digital Operating Models *new*
7. IEOR E4560 Lean Launch Pad
8. IEOR E4998 Managing Tech Innovation & Entrepreneurship
MS&E ANALYSIS SEMI CORE:
9 pts total, at least (1) from Management & (1) from Analysis

1. IEOR E4404 Simulation
2. IEOR E4405 Production Scheduling
3. IEOR E4525 Machine Learning for OR & FE
4. IEOR E4571 Python Based Data Analytics
5. IEOR E4574 Business Analytics for OR
6. IEOR E4601 Dynamic Pricing & Revenue Management
7. IEOR E4600 Applied Integer Programming
COURSES BY PROFESSIONAL AREAS OF INTEREST

1. Analytics & Data
2. Consulting
3. Entrepreneurship
4. Finance and Financial Engineering
5. Operations Management
ANALYTICS & DATA

• DROM B8122-060 MSE Game-Theoretic Business Strategy
• IEOR E4211 Applied Consulting (MSOR & MSIE only)
• IEOR E4525 Machine Learning for OR & FE
• IEOR E4574 Business Analytics for Operations Research
• IEOR E4575 Designing Digital Operating Models *new*
• IEOR E4571 Python Based Data Analytics
• IEOR E4725 Big Data in Finance *new*
CONSULTING

- DROM B8122-060 MSE Game-Theoretic Business Strategy
- DROM B8510-060 Managerial Negotiations
- IEOR E4211 Applied Consulting (MSOR & MSIE only)
- IEOR E4412 Quality Control & Management
- IEOR E4510 Project Management
- IEOR E4505 Operations Research in Public Policy
ENTREPRENEURSHIP

• FINC B8307-003 Advanced Corporate Finance
• IEOR E4560 Lean Launch Pad
• IEOR E4998 Managing Tech. Innovation & Entrepreneurship
FINANCE & FINANCIAL ENGINEERING

- ECON W4280 Corporate Finance (By application)
- FINC B8307-003 Advanced Corporate Finance*
- IEOR E4700 Introduction to Financial Engineering
- IEOR E4602 Quantitative Risk Management
- IEOR E4630 Asset Allocation
- IEOR E4718 Introduction to the Implied Volatility Smile
- IEOR E4725 Big Data in Finance
- IEOR E4733 Algorithmic Trading
- IEOR E4734 Foreign Exchange and Related Derivatives
- IEOR E4736 Experimental Finance

*FINC and DROM courses do not count towards the 18 IEOR credit requirement.
OPERATIONS MANAGEMENT

- DROM B8122-060 MSE Game-Theoretic Business Strategy
- DROM B8123-060 MSE Demand and Supply Analytics
- IEOR E4412 Quality Control and Management
- IEOR E4405 Production Scheduling
- IEOR E4505 Operations Research in Public Policy
- IEOR E4510 Project Management
- IEOR E4575 Designing Digital Operating Models
- IEOR E4600 Applied Integer Programming
- IEOR E4601 Dynamic Pricing and Revenue Management
Q & A