MSIE
EARLY REGISTRATION INFORMATION
2015
AGENDA

• Degree Overview
• Degree Requirements
• MSIE Program Overview
• SIEO W4150 Waiver Application
• Suggested Electives based on interest:
  – Consulting, Management, Finance and Entrepreneurship
• Special MSE Electives
DEGREE OVERVIEW

• Master of Science in Industrial Engineering
• Awarded by The Fu Foundation School of Engineering and Applied Science, Columbia University
• Expected Completion:
  – May, August or December 2016
• Expected Degree Conferral:
  – May 2016, October 2016 or February 2017
DEGREE REQUIREMENTS

• 30 credits
  – Four required core courses plus electives

• MSIE CORE: SIEO W4150, IEOR E4000, IEOR E4004, IEOR E4106

• IEOR E4579 is required in order to receive IEOR career services

• No Pass/Fail Courses

• All courses must be completed at Columbia

• Remain in good standing

• Academic integrity
• Fall 2015 Semester
  1. IEOR E4000 Production Management
  2. IEOR E4004 Deterministic Models
  3. IEOR E4579 Professional Development
  4. SIEO W4150 Intro to Probability & Statistics
If are waived of SIEO W4150, then you should register for: IEOR E4106 Stochastic Models
SIEO W4150

• SIEO W4150 Introduction to Probability and Statistics is a foundational core course; inadequate preparation will lead to difficulty completing the program.

• You have an option to take the course in the fall or request a waiver.

• We will review your request to waive and respond within (10) business days.

• To request a waiver, fill out the form: http://astro.ieor.columbia.edu/view.php?id=43891

• Deadline to request the waiver: August 27, 2015
HELPFUL SUGGESTIONS

• Be conservative, and observe pre-requisite requirements.

• If you are waived from taking SIEO W4150, you should take IEOR E4106 in the Fall so you are prepared to take electives in the spring.

• Do *not* take the following set of courses in the same term:
  – SIEO W4150, IEOR E4106, IEOR E4404
  – SIEO W4150, IEOR E4106, IEOR E4700
  – IEOR E4106, IEOR E4404, IEOR E4700
INTEREST IN FINANCE

HIGHLY SUGGESTED, FOUNDATIONAL:
• IEOR E4711 Global Capital Markets
• IEOR E4403 Adv. Engineering & Corporate Econ

OPTIONAL:
• IEOR E4700 Intro to Financial Engineering*
• IEOR E4620 Pricing Models for FE**
• IEOR E4500 Applications Programming for FE***

*Requires IEOR E4106
**Requires IEOR E4700; can be taken simultaneously as IEOR E4620
***Requires programming proficiency & opens in late August
INTEREST IN CONSULTING

- IEME E4310 The Manufacturing Enterprise
- IEOR E4000 Production Management
- IEOR E4407 Game Theoretic Models
- IEOR E4408 Resource Allocation
- IEOR E4418 Logistics and Transportation Management
- IEOR E4507 Operations Management for Healthcare
- IEOR E4520 Applied Systems Engineering
- IEOR E4550 Entrepreneurial Business
- IEOR E4711 Global Capital Markets
- IEOR E4573 Topics in OR: Design and Agile Project Mgmt. Eng. Lab (Application required)
- DROM B8107 Service Operations
- DROM B8510 MSE Managerial Negotiations
INTEREST IN MANAGEMENT

- IEOR E4000 Production Management
- IEOR E4408 Resource Allocation
- IEOR E4418 Logistics and Transportation Management
- IEOR E4507 Healthcare Operations Management
- IEOR E4520 Applied Systems Engineering
- IEOR E4550 Entrepreneurial Business
- IEOR E4998 Managing Tech. Innovations
- DROM B8107 Service Operations
- DROM B8510 MSE Managerial Negotiations
INTEREST IN ENTREPRENEURSHIP

FOUNDATIONAL:

- IEOR E4403 Adv. Engineering & Corporate Economics
- IEOR E4550 Entrepreneurial Business
- IEOR E4573 Topics in OR: Design and Agile Project Mgmt. Eng. Lab
- IEOR E4998 Managing Tech. Innovations

OPTIONAL:

- DROM B8858 Data Driven Entrepreneurship
- DROM B8510 MSE Managerial Negotiations
SPECIAL MSE ELECTIVES

The following courses are special courses from the Business school exclusive to MS&E students. During early registration period, MSIE students are limited to only (1) of the three at this time. If seats are available in September, the Department will make all sections available.

1. DRAN B8107 Service Operations
2. MGMT B8510 MSE Managerial Negotiations
3. DROM B8858 Data Driven Entrepreneurship
YOUR ACTION ITEMS

• Activate your UNI
• Login to SSOL https://ssol.columbia.edu/
• Register for your courses (core & electives)
• Review your tuition e-Bill
• Review academic calendar http://registrar.columbia.edu/