MS&E EARLY REGISTRATION 2015
AGENDA

• Degree Overview
• Degree Requirements
• MS&E Program Overview
• Suggested Electives based on interest:
  – Consulting, Management, Finance and Entrepreneurship
• Special MS&E Courses
MS&E DEGREE OVERVIEW

• Master of Science
  – Management Science & Engineering

• Program offered by Columbia Engineering in conjunction with Columbia Business

• Expected Completion:
  – August or December 2016

• Expected Degree Conferral:
  – October 2016 or February 2017
DEGREE REQUIREMENTS

• 36 credits
  – Four required core courses plus electives
• MSE CORE: IEOR E4004, IEOR E4111, IEOR E4101, IEOR E4102
• IEOR E4578 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
MS&E PROGRAM

• Fall 2015 Semester
  – IEOR E4004 Deterministic Models
  – IEOR E4111 Operations Consulting
  – IEOR E4101 Probability Models for MSE
  – IEOR E4578 Professional Development for MSE
  – Semi Core or Breadth Elective(s)

• Spring 2016 Semester
  – IEOR E4102 Stochastic Models for MSE
  – Semi Core or Breadth Elective(s)

• Summer or Fall 2016
  – Semi Core or Breadth Elective(s)
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 Creation
- 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 FINANCE

HIGHLY SUGGESTED, FOUNDATIONAL:

• IEOR E4711 Global Capital Markets
• IEOR E4403 Adv. Engineering & Corporate Economics
INTEREST IN ENTREPRENEURSHIP

FOUNDATIONAL:
• IEOR E4403 Adv. Engineering & Corporate Economics
• IEOR E4550 Entrepreneurial Business Creation
• 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
The following courses are special courses from the Business school exclusive to MS&E students:

- DROM B8107 Service Operations
- DROM B8510 MSE Managerial Negotiations
- DROM B8858 Data Driven Entrepreneurship
YOUR ACTION ITEMS

• Activate your UNI
• Login to SSOL https://ssol.columbia.edu/
• Register:
  – IEOR E4004, E4111, E4101, E4578
  – Review your tuition e-Bill
• Review academic calendar http://registrar.columbia.edu/