Orientation Schedule

10:00  Welcome, Introductions, and review of the MS program
11:00  Certificate in ICME (Prof. Wolverton)
11:15  Engineering Library (Geoff Morse)
11:25  Office of Career Development (Tameca Blossom)
11:35  Digital security (Kristin McLean)
11:45  Peer advising (Chier Zhang and Haixu Shen)
12:15  Lunch
13:30-18:00  Small-group advising
MS Coursework

• 12-course requirement, all taken for a grade.
• Typically 3-4 per quarter.
• 8 MSE courses, 5 of which must be 400 level

Special Programs

• Integrated Computational Materials Engineering
• Minor in Engineering Management
• SJTU Dual Degree Program
MSE Advanced/Graduate courses, Fall 2019

- 351 Introductory Physics of Materials
- 381 Energy Materials
- 391 Process Design
- 395 Special Topics (Modeling and Simulation in MS&E)
- 401 Chemical & Stat. Thermodynamics
- 402 Structure of Cryst. & Non-cryst. Materials
- 444 Organic Nanomaterials
- 445 High Polymer Science
- 451 Advanced Physics of Materials
- 465 Advanced Electron Microscopy & Diffraction
- 495 Solid State Electrochem. for Energy Storage & Conversion
Colloquia and Seminars

- MSE Colloquia are on Tuesdays at 4 pm.
- There are many other seminar series of interest: IIN, ISEN, MRSEC, plus departmental seminars.
- Attendance strongly encouraged.
Research

- Research is not a required component of the course-based MS program
- **499 (Independent Study)** can be taken in winter quarter
  - One unit, but can spend more than one quarter
  - I can help to approach professors
  - Not counted towards the five 400-level course requirement
Academic Integrity

• Submitted work must be your own.
• Check with instructor regarding permissibility of solving homework problems as a group.
• Acknowledge contributions in group work.
• Cite original sources of written materials, ideas, solutions, etc.
Lab Safety

• In classes with laboratory activities, safety is the top priority; if in doubt, check with lab instructor.
• In research studies, if in doubt, check with your faculty research advisor.
• Any meetings associated with safety are mandatory.
Student Support & Conflict Management

• Do not wait to raise concerns.
• The Chair (Luijten) and Associate Chair (Lauhon) can be contacted at any time.
• Alice Camacho and Kathleen Stair also serve as non-faculty points of contact (confidential).
Program Suggestions

- Style of each professor is different
- If you have questions during lectures, just ask or see the professor or TA during office hours
- PhD – need to do well in coursework
- Job-seekers – develop skill set through proper choice of courses and attending colloquia/seminars
- Social and extracurricular interaction with classmates
Individual/Small Group Advising

- Please sign up for a short meeting (maximum 2 per time slot)
- My role
  - Advice on coursework selection
  - Help navigating through bureaucracy
  - Introduction to 499 project advisors
  - Information about Northwestern, Evanston, and Chicago