New MS Student Orientation
Schedule

September 9, 2020

10:00  Welcome from Prof. Erik Luitjen, Department Chair
10:05  Overview of the MS program (Prof. Yip-Wah Chung)
10:25  Certificate in ICME (Prof. Rondinelli)
10:35  Q & A
10:45  Peer advising (Huijun Di and Yang Weng)

September 9, 1-3 pm and September 10, 9-11 am

MS student individual advising (BS/MS: Prof. Ken Shull)
MS requirements

- 12 courses, all taken for a grade.
- Typically 3-4 per quarter.
- 8 MSE courses (5 must be 400 level, excl. 499)

BS/MS requirements

- Courses only option – same as above
- Thesis option – thesis + 6 advanced courses (4 MSE of which 3 must be 400 level) all taken for a grade
Special Programs

• Integrated Computational Materials Engineering
• Minor in Engineering Management
• SJTU Dual MS Degree Program
MSE Advanced/Graduate courses, Fall 2020

- 351 Introductory Physics of Materials
- 357 Nanomagnetic Materials for Information Storage
- 381 Energy Materials
- 391 Process Design
- 401 Chemical & Stat. Thermodynamics
- 402 Structure of Cryst. & Non-cryst. Materials
- 444 Organic Nanomaterials
- 445 High Polymer Science
- 451 Advanced Physics of Materials
- 461 Diffraction Methods in Materials Science
Colloquia and Seminars

- MSE Colloquia are on Tuesdays at 4 pm.
- Attendance strongly encouraged.
- There are many other seminar series of interest: IIN, ISEN, MRSEC, plus departmental seminars.
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
  – You can approach professors directly after mid-October, or I can help you
  – 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.
• Alice Camacho and Kathleen Stair serve as non-faculty points of contact (confidential).
• The Chair (Luijten) and Associate Chair (Lauhon) can be contacted at any time.
Program Suggestions

• Style of each professor is different, especially in today’s online environment.

• If you have questions during lectures (in person or synchronous online), just ask; otherwise, see the professor or TA during office hours

• PhD – need to do well in coursework and research

• Job-seekers – develop skill set through proper choice of courses and attending colloquia/seminars

• Social and extracurricular interactions with classmates
Individual/Small Group Advising

- Advising: this afternoon between 1 and 3 pm, or tomorrow between 9 and 11 am.
- Email me for a 20-minute meeting, first come first served (use this zoom room).
- My role
  - Advice on coursework selection
  - Help navigating through bureaucracy
  - Introduction to 499 project advisors
  - Information about Northwestern, Evanston, and Chicago