

MSE 280: Engineering Materials

3 cr., Spring 2022

CRN: 38203

4025 Campus Instructional Facility

Contact

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210 Ceramics Building

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Office Hours: TBD

Class Description and Objectives

The long-term objective of this course is to aid practicing engineers in materials selection and design by understanding the interplay among structure, processing, properties, and ultimately performance. This course provides a broad coverage of the field and serves as the introductory course in the major field.

Grading Policies

40% In-Lecture worksheets

40% Quizzes

20% Final

Preliminary Grading Scheme (can be adjusted; with +/-):

A: 90 – 100 %

B: 79 – 89.9 %

C: 68 – 78.9 %

D: 57 – 67.9 %

Course Delivery

1. Canvas (lectures, worksheets, grades)
3. PrairieLearn: <https://www.prairielearn.org/pl> (quizzes)
4. Discord: <https://discord.gg/VxhyXKB> (optional)
5. Media Space: (for spring 2021 recorded lectures)
<https://mediaspace.illinois.edu/channel/MSE+280+Spring+2021/197758713>

In-person delivery: As much as University, State, and Federal guidelines allow, the course will be taught in-person with all students expected to attend. Class will also be delivered live via Zoom for those quarantining, isolating, or have other conditions that keep them from attending.

Zoom link:

<https://illinois.zoom.us/j/84044371117?pwd=ZHG4blZDT0xvd2wwZ0cxZWU0cUNkZz09>

In-lecture worksheets: Worksheets will be posted on Canvas prior to the lecture. These will be (usually) completed during class. After lecture, the completed worksheets should be submitted via Canvas; due dates are a few days after the lecture to allow completion. Tuesdays' worksheets will be graded upon completion; Thursdays' worksheets will be graded on accuracy.

Late Homework: Late worksheets will be accepted with a 10% penalty for every 24 hours late.

Quizzes and Exams: Approximately 4 quizzes will be given in class throughout the semester. There will be one final exam, given during the final exam slot. Exam aides (notecards, equation sheet, etc.) will be announced prior to each assessment.

Disability: If you have a disability, the university has several great resources located at their website: www.disability.illinois.edu. Please contact me if I can be of any assistance

Re-grading policy: For simple addition/subtraction errors on points awarded, please bring up the assignment or exam after class or stop by during office hours. Any other requests require a cleanly written explanation that includes your name, assignment or exam, problem in question, and a written description describing the mis-grading and why a re-grading is warranted. Any attempt to “doctor” or manipulate the assignment will be dealt with under the Student Code.

Academic Integrity:

Alleged misconduct, including, but not limited to, giving or receiving an i>clicker to answer lecture questions, using unauthorized materials during exams, falsifying records, etc., is a violation of the Student Code and must be reported as an infraction of academic integrity. Additionally, failing to report an alleged infraction is in of itself an infraction. I reserve the right to take photographic evidence.

COVID Policies:

Everyone is to adhere to the CDC recommendations and campus policy regarding covid mitigation. Currently, this includes (i) having a “granted” status on building access via the Safer Illinois app or the Boarding Pass website and (ii) masking mouth and nose while indoors on campus buildings. If any new policies occur, they will likewise be adopted. Violators will be removed from class and the misconduct reported.