

MSE 280: Engineering Materials

3 cr., Spring 2021

CRN: 38203

Online

Contact

Dr. Matthew D. Goodman

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210 Ceramics Building

REDACTED (cell)

Office Hours: Wednesday, 3-4 pm

<https://illinois.zoom.us/> LINK REDACTED

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

10% In-Lecture worksheets

15% Homework

35% Quizzes

40% Exams

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. Piazza: piazza.com/ LINK REDACTED (to post questions/get help)

2. Compass (grades, mostly, and in-lecture worksheets)

3. PrairieLearn: <https://www.prairielearn.org/pl> (HW, quizzes, and exams)

4. Discord: <https://discord.gg/> LINK REDACTED (optional)

5. Media Space: (for recorded lectures)

<https://mediaspace.illinois.edu/> LINK REDACTED

(for recorded lectures)

6. Zoom lectures:

<https://illinois.zoom.us/> LINK REDACTED

In-lecture worksheets: Worksheets will be posted on Compass prior to the lecture. These will be (usually) completed during break-out rooms. After lecture, the completed worksheets should be submitted via Compass; due dates are a few days after the lecture to allow completion. These are graded initially upon completion, then accuracy later in the semester (this will be noted on the individual worksheets).

Homework: There will approximately 5-6 homework sets on PrairieLearn, due approximately 10 days after the set is available.

Late Homework: Late homework and worksheets will be accepted with a 25% penalty for every 24 hours late.

Quizzes and Exams: Approximately 4 quizzes will be given via PrairieLearn throughout the semester. There will be two exams (midterm and final), also given through PrairieLearn. These assessments are open book/notes/internet/etc. Only prohibited tool is any living person communicated via in real-time (e.g., talking, texting, etc.). These assessments will have a time limit once started.

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.