

MSE 101: Materials in Today's World

3 cr., Fall 2021

CRN: 30427 and (39568 or 39569)

Lecture:

1302 Everitt Laboratory

Tuesday, Thursday 3:00 - 3:50 PM

Discussion:

2101 Everitt Laboratory

Tuesday or Thursday 4:00 - 4:50 PM

Class Description and Objectives

Introduce the field of materials science and engineering through examining and demonstrating properties of materials through their use in everyday objects. Survey the role materials have played and will continue to play in shaping society. Develop and explore the underlying principles in material selection and design. Technical elective credit is not given to engineering majors.

Contact

Dr. Matthew D. Goodman

mgoodman@illinois.edu

210 Ceramics Building

217-244-9253

Office Hour (other times by appointment):

- Coffee hour: 1:30-2:30 Wednesdays
Business Instructional Fac. (BIF) atrium
- Private office hour: By appointment
210 Ceramics Building or Zoom

Required Text/Equipment

- *Stuff Matters*, by Mark Miodownik
- A large number of other texts are on hold at Grainger Library.
- Canvas (<https://canvas.illinois.edu>)

Grading Policies

20% Worksheets

25% Quizzes

30% Midterm & Final Exams

25% Final Project

Preliminary Grading Scheme (with +/-):

A: 90 – 100 %

B: 80 – 89.9 %

C: 70 – 79.9 %

D: 60 – 69.9 %

Worksheets: Lecture and Discussion worksheets will be assigned, and students will have approximately one week to complete them for full credit. These will be uploaded and submitted via Canvas. To earn full credit, students should show all work and state any assumptions.

Quizzes and Exams: Quizzes will be announced approximately one week in advance. A midterm exam will be given in class on **Thursday, October 14**, and the final given during the final exam slot

Project: A semester project will be announced with specific due dates. More details will be provided in class.

Late Homework: Late homework assignments will be accepted until the solution has been posted online (this may occur the same day its due). There is a 10% penalty per day late.

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 type-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. I reserve the right to take photographic evidence.

Disability: If you have a disability, the university has a number of great resources that can be found at www.disability.illinois.edu.

Please contact me if I can be of any assistance

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.