Engineering 98 Fall 1999

M A T E R I A L S E N G I N E E R I N G
Course Information

1. Assigned Text: W.D. Callister Jr., *Materials Science and Engineering An Introduction, 5th Ed.*, John Wiley & Sons, New York, 1999

2. Instructors:

E. Spjut	Parsons 382	x73890	erik_spjut@hmc.edu
T. Bright	Parsons 365	x77940	abright@hmc.edu

3. Scope of Course: Introduction to the materials quartet of structure, processing, properties, and performance. Common classes of engineering materials will be covered. Performance metrics and selection criteria will be introduced.

4. Course Components:

Homework Fourteen sets of homework problems will be assigned, to be handed in for grading by the start of class on the assigned day (see schedule). The assignments will be made principally by Email to the class list. Problems that are not in the book may be part of the assignments. No late homework will be accepted. Please attempt all of the problems by yourself. If absolutely necessary, you may consult with other students on homework solutions, but you may not simply copy their solutions. Neither may you copy solutions from assignments given in previous semesters. There will be copies of the preferred solution posted in the library after the assignment is due.

Classes An outline of the expected coverage of material during the semester is provided overleaf. The schedule is not firm but all listed chapters will be covered by the exam. At least part of the class session in which homework is due will be spent going over homework solutions and solution techniques.

Exams Three mid-term examinations (50 min.) will be given. At least some of the problems may be multiple choice. A comprehensive final examination will be given. There will be no extra review sessions scheduled outside of class before the exams.

5. Grading: The weighting of assessed material will be as follows:

Homework	30%
Midterm I	11%
Midterm II	11%

Midterm III	11%
Final	37%