

## Engineering 98 Spring 1998

### MATERIALS ENGINEERING

#### Course Information

1. Assigned Text: W.D. Callister Jr., *Materials Science and Engineering An Introduction, 4rd Ed.*, John Wiley & Sons, New York, 1997

2. Instructor: E. Spjut Parsons 382 x73890  
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3. Scope of Course: Introduction to the materials triad of structure, processing, and properties. 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). Occasionally, additional problems that are not in the book will be added to 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 on the next page. 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 (70 min.) will be given. At least some of the problems may be multiple choice. No comprehensive final examination will be given. There will be no scheduled review sessions before the exams.

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

Homework	25%
Midterm I	25%
Midterm II	25%
Midterm III	25%