

AE 653 Basic Composite Material Technologies
 Fall 2003, Section #22210, 5:35 pm, TT
 Instructor: Prof. Bert L. Smith
 Office: Room 206 WH
 Class: Room 215 WH

653Policy2003

Grading: Your grade will be determined from a large number of "short" exams during the 15-week semester (about one per week) and a final exam. The "short" exams will count as 75% of your grade, and the final exam will count 25%. The final exam will be given at the officially scheduled time. Homework exercises will be assigned on a regular basis, but will not usually be collected and graded. Feel free to ask questions about the homework problems in class (or outside of class). The homework will help you prepare for the exams. A section of an exam or an entire exam may occasionally be done outside of class as a "take-home". A tentative list of exams with the topics covered is shown in the following table. This is subject to modification during the semester.

*T/F. Multiple choice
fill in the blanks*

Exam	Topic
1	Materials: fibers
2	Materials: polymers
3	Materials: fiber-polymer composites
4	Laminates: symmetric with in-plane loads
5	Laminates: symmetric with bending/twisting loads
6	Laminates: symmetric with both axial and b/t loads
7	Laminates: unsymmetric
8	Testing for mechanical properties
9	Failure theories
10	Structural analysis: axial loads
11	Structural analysis: flexural loads
12	Structural analysis: unsymmetric beams
13	Design
14	Manufacturing
15	Non-destructive testing

In general, the following grading scale will apply:

- 90-100% A – distinguished (better than extraordinary) achievement
- 80-89% B – Superior (extraordinary) achievement
- 70-79% C – Average (ordinary, typical, usual) achievement
- 60-69% D – below average achievement
- 0-59% F – Failing work

Instructional Material: There is no single source (text) for all of the topics covered in this course. Therefore, the instructor will supply a set of notes consisting of approximately 400 pages of instructional material. The notes will be handed out section by section during the semester. To obtain the notes, you must pay \$20 to the secretary or student assistant in the AE office. Do this before the second class period

Classroom courtesy:

Arrive on time so as not to disrupt the class while in progress.

Feel free to ask questions at any time (a dead class is boring for everyone).

Do not wear hats during class (this is just an old fashioned rule that I like).

Please avoid lengthy private conversations in class.

No snoring. If your neighbor falls asleep give him/her a shove.

No cell phone ringing.

Questions at any time are appropriate and invited.