MAE 6070 - Mechanics of Composite Materials II
Fall 2003

INDEX: 15470 TIME: 2:30-3:20
SECTION: 1 ROOM: EL-126
INSTRUCTOR: T.H. FRONK OFFICE: ENGR 419M
OFFICE HRS: 11:20-12:20 M-W-F OFFICE PHONE: 797-3893

COURSE OBJECTIVE:
This is second course in mechanics of composite materials. Topics include, fabrication, shear-deformation theory, plate theory, interlaminar stresses, failure theories, and numerical methods for solving the equations of motion.

PREREQUISITES: MAE/CEE 5060, Programming skills (FORTRAN, C)

HOMEWORK:
Homework must be submitted on an 8 ½ x 11 sheet and is due approximately every week. Homework is collected at the beginning of the period it is due. In addition, the reading assignments are to be read before the class in which they are discussed. Many of the homework assignments must be completed on the computer using a working CLT program. Students are expected to have written a CLT program, have a working copy, and be able to edit the program.

EXAMS:
Three midterm exams are given during the quarter as well as a final. The midterms are worth 100 points and final exam is worth 200 points. Attendance during the regular scheduled exam time is mandatory. There are no make-up exams. The final is Monday, December 10, 12:10-2:00 p.m. In general, exams are closed book.

GRADES:
Exam problems are evaluated as follows, 20% is deducted for minor errors, e.g., math error, incorrect units etc., 50% is deducted for a conceptual error, and no points are awarded when two or more conceptual errors are committed. Points will be assigned as follows;

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<tbody>
<tr>
<td>Homework</td>
<td>200</td>
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<tr>
<td>Midterm Exams</td>
<td>300</td>
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<td>Final Exam</td>
<td>200</td>
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<td>Total</td>
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ETHICS:
Cheating is not acceptable. Any students guilty of cheating will receive an automatic F
in the course. It is to your advantage to do your own homework and is deemed unethical and dishonest to rely on fellow students or homework from previous students to complete the assignments. The student is encouraged, however, to discuss the course material and problem assignments with the intent of understanding a concept and not merely duplicating someone else's results.

**INCOMPLETE GRADES:**
University policy is followed concerning incomplete grades. A student may receive an incomplete grade only if he or she has completed a majority of the course work, has regularly attended class, and has not been able to complete the remainder of the course due to circumstances beyond their control.