ANALYSIS AND DESIGN OF MECHANICAL SYSTEMS

MEGR 3122 Course Policy Fall 2005

Instructor: J. M. Hill
Office: 269 Duke Centennial Hall.
Office Hours: MWF 3:00 – 4:00

1. Course Objectives

   a. Develop skills in modeling physical systems with differential equations.

   b. Use models of systems to predict the response to various system inputs.

   c. Introduce analytical and numerical techniques such as Laplace transforms and Euler integration as methods for solving the equations which describe system behavior.

2. Grading

   Grades will be determined by the following percentages:

3 Tests @ 21%	21%
Homework and quizzes	16%
Final Exam	21%
	100%

3. Test Dates

   To be announced

4. Books and Materials

   System Dynamics, by Katsuhiko Ogata. Fourth Edition, Prentice Hall

5. Academic Integrity

   Students are encouraged to work together, short of direct copying, on any out-of-class assignment. A student will face serious disciplinary action if caught using or giving unauthorized aid during an in-class quiz, test, or exam. Please refer to the University of North Carolina at Charlotte Catalog for specific details on academic integrity.