CE 541a  DYNAMICS OF STRUCTURES

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T.A. Office Hours:  Monday, 3:00 - 6:00 pm ; Wednesday, 1:00 - 4:00 pm

Class No.  29779R, 29780D

Class time & Place:  Monday 6:40 - 9:20 pm; Room: OHE 122


Prerequisite:  CE 525b “Engineering Analysis” or equivalent:

Drop Dates:  14-SEP-2010 without “W”; 12-NOV-2010 with “W”

Final Exam:  Monday, 06 December 2010, 7:00-9:00 pm

Grades:  Homework/Midterm/Final: 20%/30%/50%

Remarks:  Weekly assigned homework problems

Late Homework will not be accepted.
No make-up on any examinations.

COURSE OUTLINE

1. Single-Degree-of-Freedom Systems
2. Systems With Several Degrees-of-Freedom
3. Energy Methods
4. Elements of Analytical Dynamics
5. Vibration of Continuous Systems (Exact Methods)
6. Vibration of Continuous Systems (Approximate Methods)
7. Computational Techniques