AA 242B / ME 242B: Mechanical Vibrations

Schedule: Spring 16, M-W-F (2 of 3) 3:00 pm – 4:20 pm
Venue : 380-380F

Course Description
This course is designed for M.S.-level students. It covers the vibrations of discrete systems and continuous structures, and an introduction to the computational dynamics of linear/linearized engineering systems. No prior knowledge of structural dynamics is assumed.

Course Outline

Prerequisites
- AA 242A, ME 333A, or equivalent (recommended but not required).
- Basic knowledge of linear algebra and ODEs.

Textbook
- Lecture notes and various reading materials.

Instructor
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Office Hours
Charbel Farhat, William F. Durand Building, Room 257
After each class, from 4:30 pm to 6:00 pm; also, walk-in and/or by appointment

Homeworks, Examinations and Grading
There will be no mid-term examination. 60% of the course grade will be based on the grades obtained for the homeworks, and 40% on that obtained for the final exam. In fairness to all and to enable a timely posting of the solutions, the following policy will be enforced. Homeworks will be due on time. A maximum grace period of 2 days will be allowed at a penalty of 25% of the homework grade. After this grace period, any submitted homework will not be accepted.
**Students with Documented Disabilities**

Students who may need an academic accommodation based on the impact of a disability must initiate the request with the Student Disability Resource Center (SDRC) located within the Office of Accessible Education (OAE). SDRC staff will evaluate the request with required documentation, recommend reasonable accommodations, and prepare an *Accommodation Letter* for faculty dated in the current quarter in which the request is being made. Students should contact the SDRC as soon as possible since timely notice is needed to coordinate accommodations. The OAE is located at 563 Salvatierra Walk (phone: 723-1066).