Aircraft Structures Analysis
AME 529

Class Number: 28890R (On Campus) and 29060D (Off Campus)
Number of Units: 3 semester units
Hour/Day: TuTh 2:00 – 3:20 p.m.
Room: Section 28890R (On Campus): OHE 132
Section 29060D (Off Campus)
Office Hours: Monday: 3:45 – 5:45 p.m.
Wednesday: 3:45 – 5:45 p.m.
Instructor: Dr. M. O. Safadi – Tel. On Campus (213) 740 – 0494 (Olin Hall 430L) – Tel. – Fax: (213) 740 – 8071 – E-mail: safadi@usc.edu
The textbook is highly recommended but not required.
Reference Textbooks:

Course Description

AME 529 is a graduate level class and will be taught as such. Prerequisite: AME 204 Strength of Materials (1st course of Mechanics of Materials). Recommended Preparation: AME 403 Stress Analysis (Advanced Strength of Materials or 2nd course of Mechanics of Materials). Selected topics that will be covered in AME 529 are normally not covered in USC undergraduate level classes AME 204 and AME 403.
Course Outline

2) Introduction to Theory of Thin plates.
3) Introduction to Finite Element Methods
5) Introduction to Vibration of Continuous Systems.

Course Grading:

Two midterm exams 25% each: 50%
One comprehensive final examination: 30%
Homework Assignments: 20%

Tentative Dates for the Exams:

Midterm Exam I: Thursday February 18, 2016
Midterm Exam II: Thursday March 31, 2016
The final comprehensive examination will be tentatively held on Thursday May 5, 2016 from 2:00 until 4:00 p.m.

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Statement on Academic Conduct and Support Systems

Academic Conduct
Plagiarism - presenting someone else's ideas as your own, either verbatim or recast in your own words - is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in SCampus in Section 11, Behavior Violating University Standards https://scampus.usc.edu/1100-behavior-violating-university-standards-and-appropriate-sanctions. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on scientific misconduct, http://policy.usc.edu/scientific-misconduct.

Discrimination, sexual assault, and harassment are not tolerated by the university. You are encouraged to report any incidents to the Office of Equity and Diversity http://equity.usc.edu/ or to the Department of Public Safety http://capsnet.usc.edu/department/department-public-safety/online-forms/contact-us. This is important for the safety of the whole USC community. Another member of the university community - such as a friend, classmate, advisor, or faculty member - can help initiate the report, or can initiate the report on behalf of another person. The Center for Women and Men http://www.usc.edu/student-affairs/cwm provides 24/7 confidential support, and the sexual assault resource center webpage http://sarc.usc.edu/ describes reporting options and other resources.
Support Systems
A number of USC's schools provide support for students who need help with scholarly writing. Check with your advisor or program staff to find out more. Students whose primary language is not English should check with the American Language Institute http://dornsife.usc.edu/ali, which sponsors courses and workshops specifically for international graduate students. The Office of Disability Services and Programs http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html provides certification for students with disabilities and helps arrange the relevant accommodations. If an officially declared emergency makes travel to campus infeasible, USC Emergency Information http://emergency.usc.edu will provide safety and other updates, including ways in which instruction will be continued by means of blackboard, teleconferencing, and other technology.