STRESS ANALYSIS
AME 403

Day / Hour: MW 2:00 – 3:20 p.m.
Room: KAP 163
Class Identification Number: 28803R
Number of Credit Units: 3 semester units
Instructor: Dr. M. O. Safadi
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OLIN HALL 430L

Office Hours:
Monday: 3:45 – 5:45 p.m.
Wednesday: 3:45 – 5:45 p.m.

Students are also welcome to stop by my office at other times.

Textbook:

Course Outline

1) Analysis of Stresses
2) Strain and Stress – Strain Relations
3) Two – Dimensional Problems in Elasticity
4) Criteria for Material Failure
5) Bending of Beams
6) Torsion of Prismatic Bars
7) Numerical Methods
8) Energy Methods
9) Elastic Stability

Course Grading:
Two midterm exams 25% each: 50%
One final comprehensive examination: 30%
Homework Assignments and Class Participation: 20%
Tentative dates for the two midterm exams:

Midterm Exam I: Wednesday February 24, 2016
Midterm Exam II: Wednesday March 30, 2016

The final comprehensive examination will be tentatively held on Monday May 9, 2016 from 2:00 until 4:00 p.m. in KAP 163.

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. 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 or to the Department of Public Safety. 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 provides 24/7 confidential support, and the sexual assault resource center webpage 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, which sponsors courses and workshops specifically for international graduate students. The Office of Disability Services and Programs 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 will provide safety and other updates, including ways in which instruction will be continued by means of blackboard, teleconferencing, and other technology.

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