AME 564A
MECHANICS OF DEFORMABLE SOLIDS
Fall 2013
TTH 12:30 pm -1:45 pm

Course description:
The course will cover fundamental concepts in analysis of stress, analysis of strain, constitutive equations, elasticity, and solution methods for two-dimensional elasticity problems. The first chapter of this course provides the necessary background in mathematics. The class will be complemented by application examples.

Course objective:
The course is designed to offer first-year graduate students in Aerospace and Mechanical Engineering some of the most important concepts and methods of classical Solid Mechanics.

Instructor:
Dr. Samy Missoum
Associate Professor. Phone: (520) 626 5226
Office: AME N729
Email: smissoum@email.arizona.edu
Office hours: Monday 2-3:30 pm or by appointment.

Textbook:
Elastic and Inelastic Stress Analysis
Irving H. Shames, Francis A. Cozzarelli
Taylor & Francis Group; Revised edition, 1997

Grading policy:
Homework assignments: 25 %
Quizzes: 15 %
Midterm exam: 30 %
Final exam: 30 %

No point will be given for a solution (even correct) given without adequate explanation. This does not hold for quizzes.

Exam Dates:
Midterm exam: To be determined
Final exam: 12/17/2013. 10:30 am to 12:30 pm

Homework:
Due date will be announced when homework is assigned.
No late homework will be accepted
It is your responsibility to check the course web page on a regular basis to check on the deadlines or any change on the assignment.
Note: Several problems will be given but only some might be graded. However, you are expected to complete all the problems.