ME130 - Applied Engineering Analysis – Section 2   Fall 2018

Instructor: Dr. Davood Abdollahian
Class hours: T Th 30 – 545 PM
Class room: E192
Course Code: 51304
Office hours: T Th 1030 – 1130 AM, or by appointment
Office: E-348   Phone: (408) 888314   e-mail: davoodasjsu@gmail.com

Course Description

Development of analytical models for engineering processes and systems in fluid mechanics, heat transfer, solid mechanics and mechanical vibrations. Practical interpretations of analytical and approximate solutions for steady state and unsteady state problems. Introduction to linear algebra, statistics and their application in engineering analyses. 3 units.

Prerequisites: Grade C or better in Math 133A and ME101. ME113 is a requisite

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Refer to the current semester's Catalog Policies section at http://info.sjsu.edu/static/catalog/policies.html. Add/drop deadlines can be found on the current academic calendar web page located at http://www.sjsu.edu/calendar. The Late Drop Policy is available at http://www.sjsu.edu/aars/policies/latedrops/policy/. Students should be aware of the current deadlines and penalties for dropping classes.

Assignments and Grading Policy

Homework: Homework problems will be assigned at least one week before the due date. No late homeworks are accepted

Grading: Homework 15%, two midterm exams 25% each, final exam 35%. Letter grades will be assigned based on overall class performance, with Grade C+ or B to be the median of the overall class grade distribution.

Exam Policy: All students are expected to complete the exams in class as scheduled. There will be no make-up exams except for students with extenuating circumstances. Supporting documentation such as a medical doctor's note or jury summons is required to support such request. Make-up exam requests under such conditions must be sent to the instructor for approval by three days before or one day after the scheduled exam date

- x This is an engineering course. As such, students are expected to be *precise* in answers to problems in examinations. Partial credits will be given for incorrect answers only if correct method is used in solution procedure.
- x All the assumptions for the calculations or the basis for applicability of an equation should be clearly stated.
- x Students are encouraged to use pocket electronic calculators in midterms and final examination. However, they must show the proper procedures used in solutions. Use of laptop computers is not allowed during exams. Also, students are not allowed to share calculators and written materials with others during the examinations.

Alternative accommodations or extended time will be considered only in partnership with the Disability Resource Center (http://www.drc.sjsu.edu/).

Academic Integrity

Students in this course are expected to maintain high ethical standards in all matters pertaining to the course, including, but not limited to, examinations, homework, course assignments, presentations, writing, laboratory work, team work, treatment of class members, and behavior in class. Cheating and plagiarism are violations of the SJSU Policy on Academic Dishonesty (S98-1) and will not be tolerated in the class.

Students are expected to have read the Policy, which is available at:
http://www2.sjsu.edu/senate/S04-12.pdf

Plagiarism is defined as *the use of another person's original (not common-knowledge) work without acknowledging its source.*[1] Thus plagiarism includes, but is not limited to:[2]

- o copying in whole or in part, a picture, diagram, graph, figure, etc. and using it in your work without citing its source
- o

Course Schedule

Aug 21 Aug 23	-
Aug 28	Review of Syllabus, Basic principles of engineering analysis and its applications