Course and Contact Information

Class Days/Time:	Mondays and Wednesdays 10:30AM-12:10PM
Classroom:	Engineering Building, room 301
Registration Code:	22780
Prerequisites:	ME101, CE112, MatE 25, ME20, all with a C- or better.
Corequisite:	TECH/ME 041 (either completed previously or co-enrolled)
Instructor:	Dr. Raymond K. Yee
Office Location:	Engineering 310B
Telephone:	408-924-3935
Email:	raymond.yee@sjsu.edu
Office Hours:	Mondays 1:30 to 2:30pm and Wednesdays 4:00-5:00pm

Course Format

This is a mixed-mode class, with both in-person and online components. Online components require use of the Canvas learning management system, accessed via https://sjsu.instructure.com/. Successful completion of course requirements necessitates accessing the course website frequently, typically at least twice a week on a regular basis. Technical support for Canvas is available at ito Umat/ec/c(Canv/( )]TJET EMC /P <MCI3029>BDC BT1 0 0 29 36715 392.7 Tmggs0 Gm/.)-27( )-19as

8. Design and analyze short and long columns.
9. Design and analyze thin and thick walled cylinders under pressure and to select proper interference fits for press or shrink fits.
10. Design and analyze ductile and brittle machine components under static loads using appropriate failure criterion.
11. Estimate the value of stress concentration factor.
12. Design and analyze machine components under cyclic loads to guard against fatigue failure.
13. Design bolted joints in tension and shear.
14. Work as a team to accomplis

Grading Policy

The course grade will be weighted as follows:
12% for Homework
8% for Participation Tasks (Project/Quizzes)
34% for two Midterm Exams (17% each)
20% for Design Project
26% for Final Exam

The overall course grade is calculated from a weighted sum of all graded components. Graded percentage points correspond to letter grade as follows:
93.0-100 A | 90.0-92.9 A- | 87.0-89.9 B+ | 83.0-86.9 B | 80.0-82.9 B-
77.0-79.9 C+ | 73.0-76.9 C | 70.0-72.9 C- | 67.0-69.9 D+ | 63.0-66.9 D | 60.0-62.9 D- | 0-59.9 F

Team Assignments and Peer Grading: Team assignments will be used for some portions of the course, and some assignments may involve peer grading. Alternative options will be considered for compelling reasons, but arrangements must be pre-approved in writing with ample time before corresponding deadlines (i.e. several days or even weeks in advance).

Exceptions: Any grading appeals or late petitions must be petitioned promptly in writing (or email). Exceptions will normally be evaluated at the very end of the semester in context with semester track record and all other exceptions class-wide. Special consideration for truly unavoidable and extenuating circumstances will depend on timing and strength of supporting documentation (e.g., doctor's note, jury summons, military orders).

University Policy F13-1 at http://www.sjsu.edu/senate/docs/F13-1.pdf states: "All students have the right, within a reasonable time, to know their academic scores, to review their grade-dependent work, and to be provided with explanations for the determination of their course grades."

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs Syllabus Information web page at http://www.sjsu.edu/gup/syllabusinfo/

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