

## ME 120 – Class Schedule Fall 2021

The following schedule is subject to change throughout the semester with updates announced in class. Due dates posted on other materials (such as the homework assignments) supersede those here.

Lecture #	Date	Day	Chapter/Topic	Assignment Due
1	Aug 26	Thurs	1-4: Intro / SoM Review Outline*	
2	Aug 31	Tues	5: Static Failure	HW 1
3	Sept 2	Thurs	5: Static Failure	Quiz 1
4	Sept 7	Tues	6: Fatigue Failure	HW 2
5	Sept 9	Thurs	6: Fatigue Failure	Quiz 2
6	Sept 14	Tues	7: Shafts/Shaft Components	HW 3
7	Sept 16	Thurs	7: Shafts/Shaft Components	Quiz 3
8	Sept 21	Tues	8: Fasteners	HW 4
9	Sept 23	Thurs	8: Fasteners	Quiz 4
10	Sept 28	Tues	<i>Review</i>	HW 5
11	Sept 30	Thurs		<b>Exam 1</b>
12	Oct 5	Tues	10: Springs	
13	Oct 7	Thurs	10: Springs	Quiz 5
14	Oct 12	Tues	11: Rolling Element Bearings	HW 6
15	Oct 14	Thurs	11: Rolling Element Bearings*	Quiz 6
16	Oct 19	Tues	12: Journal Bearings	HW 7
17	Oct 21	Thurs	12: Journal Bearings	Quiz 7
18	Oct 26	Tues	<i>Review</i>	HW 8
19	Oct 28	Thurs		<b>Exam 2</b>
20	Nov 2	Tues	TBD/practical	
21	Nov 4	Thurs	13: Gears General	Quiz 8
22	Nov 9	Tues	13: Gears General	HW 9
23	Nov 11	Thurs	14: Spur/Helical Gears	Quiz 9
24	Nov 16	Tues	15: Bevel/Worm Gears	HW 10
25	Nov 18	Thurs	16: Clutches/Brakes	Quiz 10
26	Nov 23	Tues	16: Flywheels	HW 11
	Nov 25	Thurs	Happy Thanksgiving!	
27	Nov 30	Tues	17: Flexible Elements	HW 12
28	Dec 2	Thurs	17: Flexible Elements	Quiz 11
29	Dec 7	Tues	<i>Review</i>	HW 13
30	Dec 9	Thurs		<b>Exam 3 (likely)</b>

\* Remote lecture, to available online

Textbook: *Shigley's Mechanical Engineering Design, 11th Edition* by Budynas and Nisbett. (The 9<sup>th</sup> and 10<sup>th</sup> editions are also fine, though some equation numbers, sections, etc. may have changed. I

recommend *against* any edition that presents only one set of units, since we will use both SI and US customary units and some tables and equations are unit-specific.)

### Assessment

#### *Grading Weights:*

- Homework assignments, quizzes, and practical assignments (TBD): 25%
- Three mid-term exams:
  - Exam 1: 25%
  - Exam 2: 25%
  - Exam 3: 25%

There is no comprehensive final exam. When our schedule allows, the third exam is taken during the last week of class. If we fall behind during lecture, it may be pushed back to our final exam time.

There is no extra credit in ME 120. There are no dropped exams, quizzes, assignments, etc.

#### *Missing Assignment / Exceptions / Late Assignments / re-grading / etc.*

- Exceptions only for *prior* arrangement or *documented* medical emergency. These must be confirmed via email. The exam dates are pretty firm, so check ahead of time and make arrangements now if you will be unable to take an exam on the dates shown.
- If an exception is necessary for some emergency, inform me via email ***right away***. Do not wait weeks and then ask to submit assignments late, etc. well after they were due.
- Submit homeworks *on or before the due date/time*. CatCourses will count the assignments as late at 10:30:01. No credit is given for homework turned in after solutions are posted.
- Unexcused missed assignments, quizzes, and exams are graded zero. (They may still show up as blank on CatCourses and not shown in course averages. The zeroes will still be filled in at the end of term.) There are no dropped or skipped homeworks, exams, or quizzes.
- Grading mistakes can happen - ***remedy them right away!*** If any graded item is misgraded or the grade is posted incorrectly to CatCourses (or not posted when it has been returned), please bring the item in question to the instructor's attention *and* confirm via email within one week of the grade posting or item's return. DO NOT wait until near the end of term to bring such issues up. Note that any "blank" grades on CatCourses for graded work represent zeroes that haven't been posted yet, unless an exception is on file.

### Office Hours:

Instructor: Dr. Brokowski ([mbrokowski@ucmerced.edu](mailto:mbrokowski@ucmerced.edu)) Contact me using normal email. **Please do not use the CatCourses (Canvas) messaging system.**

Tu and Th 12:00 PM - 1:00 PM, email me if additional assistance is needed  
or by appointment via email

TA: Farzan ZareAfifi ([fzareafifi@ucmerced.edu](mailto:fzareafifi@ucmerced.edu)): M 1:30 – 2:30 PM, F 12:30 - 1:30 PM, additional by appointment.