ME 021 – Class Schedule
Spring 2019

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.

Week #	Week of	Day	Chapter/Topic	Quiz / Assignment
1	First week	Lect:	(Holiday: No lecture)	
		Labs:	Lab: Python Introduction	
2	Jan 22	Lect:	Introduction	
		Labs:		HW01 (Python)
3	Jan 29	Lect:	Python: Conditionals & Loops	
		Labs:		HW02 (Python)
4	Feb 5	Lect:	Python: Dictionaries & Formatting	Quiz 01
		Labs:		HW03 (Python)
5	Feb 12	Lect:	Python: File I/O & Subroutines	
		Labs:		HW04 (Python)
6	Feb 19	Lect:	(Holiday: No lecture)	
		Labs:		HW05 (Python)
7	Feb 26	Lect:	Misc. Python Topics	Quiz 02
		Labs:		
8	Mar 5	Lect:	Matlab: Conditionals & Loops	
		Labs:	Lab: Matlab Introduction	**Python Project**
9	Mar 12	Lect:	Matlab: Arrays & Formatting	Quiz 03
		Labs:		HW06 (Matlab)
10	Mar 19	Lect:	Matlab: File I/O & Subroutines	
		Labs:		HW07 (Matlab)
11	Mar 26	Lect:	(Holiday: No lecture)	
		Labs:	(Holiday: No Lab)	
12	Apr 2	Lect:	Matlab: 2D Plotting	Quiz 04
		Labs:		HW08 (Matlab)
13	Apr 9	Lect:	Matlab: 3D Plotting	
		Labs:		HW09 (Matlab)
14	Apr 16	Lect:	Matlab: Symbolic Toolbox	Quiz 05
		Labs:		HW10 (Matlab)
15	Apr 23	Lect:	Matlab: Curve Fitting	
		Labs:		HW11 (Matlab)
16	Apr 30	Lect:	Matlab: Misc. Topics	Quiz 06
		Labs:		**Matlab Project**

Textbooks:
Python The canonical reference for Python is online at Python.org. We are using Python 3.x, but Python 2.7 is *mostly* the same. Hint: When looking for a reference on how to use a particular function, google python <function> and the results that are at python.org will often be useful.

Matlab *An Engineer's Guide to MATLAB® With Applications from Mechanical, Aerospace, Electrical, Civil, and Biological Systems Engineering* (2011) 3rd Edition, by Edward B. Magrab *et al*., Prentice Hall.

Other resources
Python Tutorials:

[Python for Non-Programmers](#)

[The Python Tutorial](#)

Online Python Compiler:

https://www.tutorialspoint.com/execute_python_online.php

Online Matlab Compiler:

http://octave-online.net/

http://www.tutorialspoint.com/execute_matlab_online.php

Assessment and Policies

Grading Weights:

- Assignments: 55%
- Projects: 20%
- Quizzes: 25%

There are no dropped exams, quizzes, assignments, etc. Extra credit is unlikely.

Assignments and projects are to be turned in during that week's lab, usually during the last lab session of the week.

*NOTE WELL: Unless specifically stated otherwise, assignments and projects turned in are to be each student's **individual** work. It is fine to seek assistance from other students regarding concepts, debugging, etc. It is NOT acceptable to share code or turn in code that duplicates (whether wholly or in part) another student's code. It is similarly unacceptable to allow others to copy one's own code. We have software that we will run periodically to catch such things on some assignments and projects. When assignments contain evidence of substantially duplicated code, zeroes grades are earned for **all** such assignments, regardless of any earlier assigned grades, regardless of who wrote the original. (Obviously, duplicated work with changed variable names, spacing, comments, etc. is still duplicate work.)*

Missing Assignment or Quiz / Exceptions / Late Assignments / re-grading / etc.

- Students are responsible for turning assignments and projects on time and being present for in-lecture or in-lab quizzes. Exceptions only for:
    - Prior arrangement with documentation. Announced quiz/homework/project dates are pretty firm, so check ahead of time and make arrangements early if you will be unable to take a quiz or complete an assignment on the dates announced. Requests after a quiz, etc. for an exception are not considered.
    - Documented medical emergency. Emergency documentation (with a date) should be emailed within a week of the event.
- Unexcused missed or late 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.)
- NOTE WELL: The due dates for assignments will typically be at end of the second lab session of the week, whenever that is. That means that it will differ for the different lab sections. Students are responsible for getting their assignments in on time, regardless of whether CatCourses shows a due date.

- The software needed for this course is available on the lab PCs and *the lab PCs are the primary resource for completing assignments*. Students may use software installed on their own PCs and/or online compilers when available. However, ample time is available to complete assignments during lab and difficulty in using other resources will not excuse late assignments.
- Grading mistakes can happen - *remedy them right away*! If an assignment, quiz, or exam grade is misgraded or the grade is posted incorrectly to CatCourses, please bring the item in question to the instructor's attention after class or during office hours *and* confirm via email within one week of the item's return. DO NOT wait until near the end of term to bring such issues up.

Office Hours:
TAs:

Dr. Brokowski   (mbrokowski@ucmerced.edu):
  AOA room 146, Monday: 10:30 AM - 11:15 AM

Questions may also be answered by posting to the CatCourses Discussions area. Additional office hours may be arrange by email, as needed.