ME 021 – Class Schedule
Fall 2017

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:	(No lecture)	
		Labs:	Lab: Fortran Introduction	
2	Aug 28	Lect:	Introduction	
		Labs:	Lab: Matlab Introduction	HW01 (Fortran)
3	Sept 4	Lect:	(Labor Day, No lecture)	
		Labs:		HW02 (Matlab)
4	Sept 11	Lect:	Conditionals	
		Labs:		HW03 (Fortran)
5	Sept 18	Lect:	Loops	Quiz 01
		Labs:		HW04 (Matlab)
6	Sept 25	Lect:	Arrays	
		Labs:		HW05 (Fortran)
7	Oct 2	Lect:	Arrays	Quiz 02
		Labs:		HW06 (Matlab)
8	Oct 9	Lect:	Format Descriptors	
		Labs:		HW07 (Fortran)
9	Oct 16	Lect:	File I/O	Quiz 03
		Labs:		HW08 (Matlab)
10	Oct 23	Lect:	Functions and Subroutines	
		Labs:		HW09
11	Oct 30	Lect:	2D Plotting	Quiz 04
		Labs:		HW10
12	Nov 6	Lect:	3D Plotting	Quiz 05
		Labs:	(No Friday Lab)	Fortran Project
13	Nov 13	Lect:	Symbolic Toolbox	
		Labs:		HW11 (Matlab)
14	Nov 20	Lect:	Curve Fitting	Quiz 06
		Labs:	(No Wed, Thu, Fri Lab)	HW12 (Matlab)
15	Nov 27	Lect:	Numerical ODEs	
		Labs:		
16	Dec 4	Lect:	TBD	Quiz 07
		Labs:		Matlab Project

Textbooks:

Our texts provide good explanations of the material and plenty of practice exercises, which are key to learning. You may also find much of the basic material online at sites that deal with Fortran 95 and 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.

Introduction to Programming with Fortran with coverage of Fortran 90, 95, 2003 and 77 (2006) by Ian Chivers, Jane Sleightholme, Springer. (NOTE: Newer versions are fine.)

Other resources

Fortran Tutorials:

http://www.tutorialspoint.com/fortran/index.htm

http://www.fortrantutorial.com/ (Install Silverfrost Fortran 95 Personal Edition)

Online Fortran Compiler:

http://www.tutorialspoint.com/compile_fortran_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 second lab session.

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 duplicate code, zeroes grades are earned for* ***all*** *such assignments, regardless of any earlier assigned grades, regardless of who wrote the original. (Obviously, duplicate work with changed variable names, comments, etc. is still duplicate work.)*

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

- Students are responsible for turning homeworks and projects on time and being present for in-lecture or in-lab quizzes. Exceptions only for:
    - Prior arrangement. 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. CatCourses cannot show different due dates per lab section, so students are responsible for getting their assignments in on time, regardless of whether CatCourses shows a due date.
- 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: Hung-Sen Kang (hkang29@ucmerced.edu)

Monday, Wednesday: 12:00 - 2:00 PM in SE2 lobby

Haoyu Li (hli84@ucmerced.edu)

Tuesday, Thursday: 2:30 PM-3:30 PM in SE2 lobby

Adrian Villegas (avillegas25@ucmerced.edu)

Monday, Wednesday: 2:00 - 3:00 PM in AOA 142

Cheng Chen (ktalit@ucmerced.edu)

Tuesday: 8:00 – 10:00 AM in AOA 142

TBA (??@ucmerced.edu)

TBA

Dr. Brokowski (mbrokowski@ucmerced.edu):

AOA room 146, Monday: 12:30 PM - 2:15 PM

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