

## General Information

<http://iel.ucdavis.edu/course/EME5/fall10>

<b>Instructor</b>	Harry H. Cheng, Professor Office: 2018 Bainer Phone: 752-5020 Email: hhcheng@ucdavis.edu Office hours: 11:00am-12:20pm MW, or by appointment
<b>Teaching Assistant</b>	Kevin Gucwa Office: 1067 Bainer Phone: 752-1028 Email: kgucwa@ucdavis.edu Discussion Hour: 12:10-1:00pm Wednesday, 1130 Bainer Lab hours: 1:30-3:30pm Tuesday, 2121A Bainer Hall Office hour: by appointment only
<b>Teaching Assistant</b>	Gilbert Gede Office: Academic Surge 2334 Phone: 752-400-7821 Email: ggede@ucdavis.edu Discussion Hour: 3:10-4:00pm Wednesday, 1007 Giedt Lab hours: 2:30-4:30pm Thursday, 2121A Bainer Hall Office hour: by appointment only
<b>Lecture Hours</b>	10:00-10:50am MWF, 204 ART
<b>You only need to attend one of two Discussion Hours</b>	
<b>Discussion Hour</b>	12:10-1:00 pm Wednesday, 1130 Bainer <b>for Session A01</b> , CRN number 61061
<b>Discussion Hour</b>	3:10-4:00 pm Wednesday, 1007 Giedt <b>for Session A02</b> , CRN number 82896
<b>Computer Lab Hours</b>	1:30-3:30pm Tuesday and 2:30-4:30pm Thursday, 2121A Bainer Hall TA is available during the lab hour in 2121A. Lab hours are optional.
<b>Course Description</b>	Structured programming in C for solving problems in engineering. Introduction to MATLAB and comparison study of C/C++ with MATLAB.
<b>Prerequisites</b>	MATH 16A or 21A, may be taken concurrently
<b>Textbooks</b>	(1) Harry H. Cheng, <i>C for Engineers and Scientists: An Interpretive Approach</i> , McGraw-Hill, 2009, ISBN: 978-0-07-337605-9. (2) Instructor's lecture notes.

- Course Handouts** The course handouts are distributed at lecture time.  
Some of them are available on the Web of the home page for EME5 at <http://iel.ucdavis.edu/course/EME5/fall10>  
For example, this handout is stored as `general.pdf` under *General Policy*.
- Outcome** This course addresses the following Educational Outcomes for the Mechanical Engineering and Aeronautical Science and Engineering Programs  
(a) work comfortably and competently with mathematics, science, and basic engineering principles;  
(e) identify, formulate and solve engineering problems;  
(k) use the techniques, skills, and modern engineering tools necessary for engineering practice.
- Homework** Homework is given out weekly through email or posted in UC Davis Smartsite <http://smartsite.ucdavis.edu>. Hardcopy of the homework, including programs, is due at the beginning of the class on the date stated on the homework, typically on Friday. Programs of the homework are due at 9am on the same day. Programs should be submitted through the UC Davis SmartSite.  
**Homework sent through email will not be accepted.**  
If you use computer programs to solve a problem, you should hand in computer programs in hardcopy also. Otherwise, you will not get the full credit for the homework. Remember that computer programs are always treated as an Appendix. If without text, appendix alone is not sufficient enough to receive a full credit. If you submit your computer programs in homework after 9am or hardcopy after the class, but before 5:00pm on due date, there will be 10% deduction for the *entire* homework. After that, late homework will not be accepted.  
**You can submit later homework no more than twice,** without exception unless there is a documented medical excuse.
- Examinations** *Midterm examination:* this is an open book/open notes examination. The specific date of examination will be announced one week before the examination date. No early or late exam will be given. If you miss the exam for medical reasons (You **must** document this; no other excuses are acceptable), the other parts of the course will be counted proportionally more or you may be allowed or required to take a make-up exam (the choice is the instructor's).  
*Final examination:* a comprehensive open book/open notes examination. Wednesday, December 8, 10:30am-12:30pm in 204 ART
- Grading System** Written and computer homework 25%  
Midterm examination 25%  
Final examination 50%

**Academic Integrity**

(1) All work submitted for credit must be your own.

You may discuss your assignment with classmates and instructor, in the course to get ideas or a critique of your ideas, but the ideas and words you submitted must be your own. Unless **explicitly** stated otherwise in the homework assignment, collaboration is considered cheating and will be dealt with accordingly.

(2) For written homework, you must write up your own solutions and may neither read nor copy another student's solutions.

(3) **For computer programs, you must create and type in your own code and document it yourself.**

But, you are free to copy programs from toolkit and modify them to solve the similar problems. Modifications made should be clearly documented.

**You are free to seek help from instructor and fellow students while you are debugging a program once it is written.**