General Information
http://iel.ucdavis.edu/course/EME5/fall14

Instructor	Harry H. Cheng, Professor
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	Office hours: 12:00pm-1:20pm MW, or by appointment
Teaching Assistant	Kevin Gucwa
	Office: 1067 Bainer
	Phone: 752-1028
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	Discussion Hour: 2:10-3:00pm Monday, 223 Olson
	Lab hours: 3-4pm Tuesday, 3-5pm Wednesday, 2121A Bainer Hall
	Office hour: by appointment only
Lecture Hours	11:00-11:50am MWF, 1006 Giedt
Discussion Hour	2:10-3:00pm Monday, 223 Olson
	for Session A01, CRN number 41949
Computer Lab Hours	3-4pm Tuesday, 3-5pm Wednesday, 2121A Bainer Hall
	TA is available during the lab hour in 2121A. Lab hours are optional.
Course Description	Structured programming in C for solving problems in engineering.
	Introduction to MATLAB and comparison study of C/C++ with MATLAB.
Prerequisites	MATH 16A or 21A, may be taken concurrently
Textbooks	(1) Harry H. Cheng, *C for Engineers and Scientists: An Interpretive Approach*, 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/fall14
	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, must be submitted in a homework collection
box outside 2018 Bainer Hall before 10am on the due date,
typically on Thursday. Programs must also be submitted through
the UC Davis SmartSite before 10am on the due date.
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.
Late homework will not be accepted.
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.
Tuesday, December 19, 8:00am-10:00am in 1006 Giedt

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.**