CSC 160 : ENGINEERING COMPUTING

SPRING 2012

Instructor: Dr. T. F. Pawlicki CSB 722, ext. 5-4198 <pawlicki at cs dot rochester dot edu> pawlicki@cs.rochester.edu Office Hours: M-F 11:00AM-noon, or by appointment

Web Page: my.rochester.edu

Text: Essential Matlab for Engineers and Scientists, 4th Edition by Hahn Valentine

Grad TA : Phyo Thiha < pthiha1 at gmail dot com>

Lectures: T-R 12:30PM-1:45PM, Lower Strong (CRN 28447)

Attendance is not required in lecture. However, changes to the assignments, schedule, syllabus, and deadlines may be announced only in lecture. Quizzes given in lecture may not be announced in advance and cannot be made up.

Labs:

Students must register for one lab session. Labs begin on January 22^{rnd}. Attendance is required and counts for part of the lab grade.

 Sunday
 4:50PM-7:30PM Gavett 244 (CRN 28472)

 Tuesday
 4:50PM-7:30PM Gavett 244 (CRN 28463)

 Tuesday
 7:40PM-10:20PM Gavett 244 (CRN 28489)

 Thursday
 4:50PM-7:30PM Gavett 244 (CRN 28489)

<u>Students are expected to know their lab TAs. This is essential for</u> <u>tracking and managing grades.</u>

Grading:

Minor (up to 10%) adjustments may be made to the weights and number of assignments at the discretion of the instructor.

- Midterm Exam = 26%
- Final Exam = 27%
- Quizzes (13) = 23%
- Labs (12) (attendance required) = 24%

All assignments are based on 100%.

Letter grades for the term will be approximately as follows:

>90% == "A" range >80% == "B" range >70% == "C" range >60% == "D" range <60% == "E" range

Syllabus and Lecture Schedule:

This schedule is subject to change without notice at the discretion of the instructor.

DATE	READING	LECTURE
1/18		INTRODUCTION
1/24	H&V Chap 1.1	MatLab Environment
1/26	1.2-1.3	Simple Programs
1/31	2.1-2.4	Data (Operands)
2/2	2.5-2.6	Operators
2/7	2.7	Repetition
2/9	2.8-2.9	Conditional Programming
2/14	2.10-2.12	Input/Output
2/16	3	Program Architecture, Design, Development
2/23	5	Logicals
2/28	6.1	Matrices
3/1	6.2,6.3	Matrix Operations
3/6	6.4-6.6	Strings & Text
3/18	Cumulative	MIDTERM EXAM

3/13		SPRING BREAK
3/15		SPRING BREAK
3/20	7.1	Graphics 2D
3/22	7.2	Graphics 3D
3/27	8	Loops
3/29	9	Errors
4/3	10.1-10.4	Functions I
4/5	10.5-10.8	Functions II
4/10	11.1-11.3	Arrays & Structures
4/12	11.4-11.6	Classes & Objects
4/17	12.1-12.2	Advanced Graphics I
4/19	12.3-12.6	Advanced Graphics II
4/24	13	GUIs
4/26	14	Dynamical Systems
5/1	15	Simulation
5/11	Cumulative	FINAL EXAM Friday, May 11 4PM-7PM