

Course Outline-MAE 5

Quantitative Computer Skills

Fall Quarter: September 21 to December 1, 2006

Times and places: Lecture: A00 TuTh 8-9:20 am, PCYNH 106; Lab. Sects. EBU2 205: A01 Tu 9:30-11:20, A02 W 10-11:50, A03 W 1-2:50, A04 Th 11-12:50, A05 Th 2-3:50, A06 F 9-10:50, A07 F 2-3:50

Course Code: 574922-574928

Instructor: Carl H. Gibson, Professor of Engineering Physics and Oceanography, 575 EBU2, 534-3184. Email, cgibson@ucsd.edu; WebPage <http://www-ac.s.ucsd.edu/~ir118>. Office hours before and after lectures in PCYNH 106.

Teaching Assistant/Tutors: Christian Deck, 858-534-0882, cdeck@ucsd.edu, 263 EBU2, Herman Wong, 510-759-1300, hnwong@ucsd.edu,

Textbook: Avery Catlin, True Basic Press. *Let's Program It ... in True Basic* 1996. Available in bookstore.

Course Description: Introductory course for non-engineering majors. Use of computers in solving problems; applications from life science, physical science, and engineering. Students run existing computer programs and complete some programming in BASIC. Detailed information is given in the course webpage (<http://www-ac.s.ucsd.edu/~ir118>). **No final, no labs week of Sept. 21.**

Grading: Quizzes given during lectures and labs count 5% each (total 50%: top 8 Qs plus top 2 LQs). **Bring green scantron forms #882-ES to lectures and labs.** Homework sets are due weekly as clearly labeled files (e. g.: A01-HW1 Doe, Jane) delivered to your TA the week after assignment count 4% each (total 20%: top 5). Two projects count 15% each (total: 30%). Discussion between students of all classwork is permitted and encouraged but presentation of copied work as original is forbidden. Late homework is not accepted. Check webpage for homework and quiz hints.

Schedule

<i>Week</i>	<i>Date (Tu/Th)</i>	<i>Read Chapter</i>	<i>Quizzes; Homework; Projects</i>
1	Sept 21,26,28	1,2	Q1;MEX2,PP2.1,2,3,4,5
2	Oct 3,5	3	Q2,Q3;MEX3, PP3.1,2,4,5
3	10,12	4	Q4,Q5, LQ1;MEX4, PP4.1,2,3,4
4	17,19	5	Q6,Q7;MEX5, PP5.1,2,3,4
5	24,26	6	LQ2;MEX6, PP6.1,2; Project 1
6	31,Nov 2	7	Q8,Q9;MEX7, PP7.1,2,3,4
7	7,9	8,9	LQ3;MEX8,9
8	14,16	10,11	Q10,Q11;MEX10,11
9	21, Thanksg.	12	Q12; LQ4; MEX12, Project 2
10	28,30	13,14	Project 2 due Dec. 1
11	No Final		MEXY=ModifiedEXamplePrograms.Chap.Y PP2.1,2=Practice Programs 2.1 and 2.2