

ICS 103 – Computer Programming in C
Summer Semester 2008 (073)
Lab Syllabus

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Objective of Course:

This course should provide Engineering Students with basic Knowledge of C-Programming.

Catalog Course Description:

Overview of computer components, Problem solving, Introduction to a typical programming language (i.e. C), Basic data types, Arrays and strings, Structures, Procedures and functions, Simple algorithm development.

Textbook:

C Program Design for Engineers, Hanley & Koffman, Second Edition.

Grade Distribution:

Activity	Distribution	Weight
Lab Works	15 sessions	6 points
Lab Quizzes	3 quizzes * 3 points	9 points
Project	1 project	5 points

LAB SCHEDULE:

Lab	Date	Topic	Activity
0	JUL 05	Introduction to the Labs.	Lab 0
1	JUL 07	Introduction of C-Program & how to run & compile it.	Lab 1
2	JUL 12	Data Types	Lab 2
3	JUL 14	Expressions	Lab 3
4	JUL 19	Selection	Lab 4
5	JUL 21	Loop/Repetition	Lab 5
6	JUL 26	Data Files	Lab 6, Quiz 1
7	JUL 28	Functions (with input parameters)	Lab 7
8	AUG 02	Functions (functions with output parameters using pointers & recursive functions)	Lab 8, Assign Lab Project
9	AUG 04	1-D Array (How to read & write elements in 1-	Lab 9, Quiz 2

Lab	Date	Topic	Activity
		D array)	
10	AUG 09	1-D Array (How to use 1-D array with functions)	Lab 10
11	AUG 11	1-D Array (Linear & Binary (Iterative & Recursive both) Searching) & Selection & Bubble Sort)	Lab 11
12	AUG 16	Strings	Lab 12
13	AUG 18	2D Array	Lab 13, Quiz 3
14	AUG 23	Project Demo	

Notes:

1. To pass this course, the student must pass the lab-component of the course.
2. Cheating in whatever form will be treated strictly.
3. Attendance will be checked at the beginning of each Lab.
4. Absence for **three or more unexcused labs** will result in a DN grade in the Course. An official excuse must be shown in one week following return to classes.
5. Every unexcused absence leads to a loss of 0.5 % of the final score.
6. Cheating in Lab Work will result F grade in Lab.
7. Late submission of home works or projects will not be accepted.
8. There will be **NO MAKE-UP** for any Quiz/Exam/Lab.
9. Hard work and dedication are necessary ingredients for success in this course.