

King Saud University
Electrical Engineering Department

GE208: Programming in C
First Semester 1426-1427 (2005-2006)

Credit Hours: 2

Instructor: Dr. Salah Foda
Office 2C13 (Telephone: 467-3108)

Textbook: "C Programming for Engineering & Computer Science",
By H.H. Tan and T.B. D'Orazio, Published by *McGraw-Hill*.

References: [1] "The C Programming Language", 2nd edition, B.W. Kernighan
and D.M. Ritchie, Prentice-Hall, 1988.
[2] "The Standard C Library", P.J. Plauger, Prentice-Hall, 1992.
[3] "The C Companion", A.I. Holub, Prentice-Hall, 1987.

Course Outline:

Week #1	Introduction to Computers and Programming	pp. 1-17
Week #2	The C Language, Compilers, Numbers Systems	pp. 17-31
Week #3	Program Structure, Comments and Printing	pp. 37-50
Week #4	Formatting Output, Escape Sequences, Program Debugging	pp. 50-72
Week #5	Variables, Constants, Arithmetic Operators and Expressions	pp. 75-115
Week #6	Reading Data, Writing to Files, Single Character Data	pp. 115-150
Week #7	IF Statements, Logical Operators and Expressions	pp. 169-191
Week #8	Switch and IF-ELSE-IF Control Structures, Applications and Review	pp. 191-199 pp. 225-260

First Midterm Exam, Thursday 15/10/1426 at 10:00 AM

Week #9	WHILE and FOR Loops, Applications	pp. 199-260
Week #10	Function Prototypes, Definitions, and Call	pp. 265-302
Week #11	Address and Pointer Variables, Applications	pp. 302-338
Week #12	One Dimensional Arrays, Array I/O	pp. 348-368
Week #13	Multidimensional Arrays, Arrays and Functions, Applications and Review	pp. 368-438

Second Midterm Exam, Thursday 20/11/1426 at 10:00 AM

Week #14	Strings and Pointers	pp. 445-480
Week #15	Applications and Review	

Grading:

30% Two Midterms
20% Laboratory
10% Homework and Quizzes
40% Final Examination