

King Saud University
College of Engineering
Electrical Engineering Department

GE208: Programming in C Second Semester: 1429/1430

Instructors: Dr. Mohamad Rizon, Office 2C27

Textbook: H. H. Tan and T.B. D’Orazio, “C Programming for Engineering & Computer Science”, McGraw-Hill, 1999.

Reference: Jeri R. Hanly, Elliot B. Koffman, and Joan C. Horvath, “C program Design for Engineers”, Addison Wesley 1995.

Course outline:

1	Introduction to computers and programming
2	The C language, Compilers, Numbers Systems
3	Program structure, Comments and printing
4	Formatting output, Escape sequences, Program debugging
5	Variables, constants, arithmetic operators and expressions
6	Reading data, writing to files, single character data
7	If statements, logical operators and expressions
8	Switch statement and IF-Else control structure
9	While and for loops, applications
10	Function prototypes, definitions, and call
11	Address and pointer variables, applications
12	One dimensional arrays, Array I/O
13	Multidimensional arrays, arrays and functions, Applications and Review
14	Strings and Pointers
15	Applications and General Review

Evaluation:

Two Mid-Term Exam (1-7) and (8-13)	30%
Tutorials	20%
Homework and Quiz	10%
Final Exam	<u>40%</u>
Total	100%

Attendance policy:

According to KSU policy, every student should attend at least 75% of the course classes (including the tutorials). Those who fail to fulfill this condition will fail in the course.