

CC112 Structured Programming

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laboratory	
CC111	1	2	2	0	2	3

COURSE AIM

Introducing Structured programming techniques associated with the C-Language, used to program most nowadays systems. Studying their application to practical problems with special emphasis on some practical applications concerning different disciplines.

COURSE WEEKLY CONTENTS

- 1 An introduction to computer and programming.
- 2 Problem solving skills and software development methods.
- 3 Data type operators and simple functions.
- 4 Input/output statements and expressions.
- 5 Selection structures and switch statements.
- 6 Selection structures and switch statements continued.
- 7 7th week exam.
- 8 Repetition and loop statements.
- 9 Repetition and loop statements continued.
- 10 Functions and modular programming.
- 11 Functions and modular programming continued.
- 12 12th week exam.
- 13 Arrays applications 1.
- 14 Arrays applications 2.
- 15 Multidimensional arrays.

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	20 Midterm		10				30
8 to 12	15 - 12 th Week Exam		5				20
13 to 15						10	10
16 or 17	40 FINAL						40
Total	75	0	15	0	0	10	100

REFERENCES

Textbook	C How to Program by Paul Deitel, Harvey Deitel, Pearson, latest edition
Other	C Program Design for Engineers by J.Hanly and E. Koffman ,Addison Wesley, latest edition