

CC213 Programming Application**COURSE INFORMATION**

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laboratory	
CC112	3	5	2	0	2	3

COURSE AIM

Introducing different 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 Revision of structured programming constructs: Input/Output, Selection
- 2 Revision of repetition and one dimensional arrays
- 3 Revision of Functions by value.
- 4 Searching and sorting.
- 5 Two dimensional arrays.
- 6 Pointers and calling Functions by reference
- 7 7th week exam.
- 8 Strings 1.
- 9 Strings 2.
- 10 Recursion.
- 11 Structures 1.
- 12 12th week exam.
- 13 Structures 2.
- 14 Text Files.
- 15 Advanced Applications /Revision.

STUDENT GRADING & ASSESSMENT

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

REFERENCES

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| Textbook | Starting out with C++ by Tony Gaddis, Pearson, latest edition. |
| Other | <ul style="list-style-type: none"> • C, the complete reference by H.Schildt, Osborne McGrawHill, latest edition. • C Program Design for Engineers by J.Hanly and E. Koffman, Addison Wesley, latest edition. |