

ESC510 (L) LABORATORY II

PART III: C AND C++ PROGRAMMING

UNIT SCHEDULE

Unit 1	My first program
Unit 2	Variables, data types and operators
Unit 3	Basic input and output
Unit 4	Conditional statements and control flow
Unit 5	Repetition & looping
Unit 6	Arrays
Unit 7	Strings
Unit 8	Functions
Unit 9	The c preprocessor
Unit 10	Files
Unit 11	Basic concepts on c++
Unit 12	Data types and operators
Unit 13	Classes
Unit 14	Function overloading and inheritance
Unit 15	Memory allocation

PART IV- Geographical Information System (GIS)

UNIT SCHEDULE

Unit 1	Procedure of scanning
Unit 2	Digitization of maps
Unit 3	Data base editing and analysis
Unit 4	Introducing arc info desktop applications
Unit 5	Exploring data with arc catalog
Unit 6	Using maps 41
Unit 7	Creating indexes and graticules
Unit 8	Creating and designing maps
Unit 9	Adding labels
Unit 10	Using arc tool box
Unit 11	Building a geodata base
Unit 12	Geo-referencing rasters and creating database