

Programming for Engineers I

Summer - 2014

Course Outline

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Week	Topics
1	Basic Computing, Introduction to IDE, Compilation Steps
2	Operators and Logic, Conditional Statment, Variable Types
3	Characters and ASCII Table, Float Representation, Memory and Debugging, Loops
4	Nested Loops, Switch, Arrays, 2D Arrays, const
5	Swapping, Bubble Sort, Functions, Recursion
6	C-Strings, Pointers, Dynamic Memory Allocation
7	File Handling, Text Files, Binary Files, Random Access in Files, tell() and seek() Functions
8	Introduction to Object Oriented Programming, struct and class , Basic Network Programming Using OOP