ESC101 Course Schedule
Semester 2, 2017-2018

Instructor: Indranil Saha
Guest Instructors: Purushottam Kar
                      Swaprava Nath

Week 1
January 5, 2018   Lec1: Intro, Logistics
January 6, 2018   Lec2: What is Programming?

Week 2
January 8, 2018   Lec3: C Syntax and Primitives
January 9, 2018   Tutorial 1: Intro, attendance, list
                      No Minor Quiz
January 10, 2018   Lec4: C Datatypes
January 12, 2018   Lec5: C Program Structure

Week 3
January 15, 2018   Lec6: I/O, Debugging
January 16, 2018   Tutorial 2: Basic Program Structure,
Pseudocode
                      Minor Quiz 1
January 17, 2018   Lec7: Operators
January 19, 2018   Lec8: Expressions, Precedence,
Associativity
January 20, 2018   Lec9: Conditionals I

Week 4
January 22, 2018   Lec10: Conditionals II
January 16, 2018   Tutorial 3: Operators, Precedence,
Associativity, Conditionals
                      Minor Quiz 2
January 24, 2018   Lec11: Loops I - for, nested for
January 26, 2018   Holiday

Week 5
January 29, 2018   Lec12: Loops II - while, do while, etc
January 30, 2018   Tutorial 4: Loops
January 31, 2018   Major Quiz 1
February 2, 2018   Lec13: Functions - Theory
February 3, 2018   Lec14: Functions - Practice

Week 6
February 5, 2018   Lec15: Library Functions and Macros
January 30, 2018   Tutorial 5: Loops
                      Minor Quiz 3
February 7, 2018   Lec16: Recursion
February 9, 2018   Lec17: Array Basics

February 11, 2018   Mid-Semester Lab Examination

Week 7
February 12, 2018   Lec18: Arrays Parameter Passing
February 13, 2018   Tutorial 6: Recursion
                      Minor Quiz 4
February 14, 2018   Holiday
February 16, 2018   Lec19: Array in Functions, Recursion
February 17, 2018   Makeup Lab for Wednesday

February 23, 2018
8am – 10am
Mid-Semester Examination

February 26 – March 4, 2018 Recess

Week 8
March 5, 2018   Lec20: Strings – Basics
March 6, 2018   Tutorial 7: Array and Strings
                Minor Quiz 5
March 7, 2018   Lec21: Strings – Operations
March 9, 2018   Lec22: n-D Arrays, Array of Strings
March 10, 2018 Lec23: Intro to Pointers

Week 9
March 12, 2018 Lec24: Memory Management in C
March 13, 2018 Tutorial 8: Strings and Pointers
                Minor Quiz 6
March 14, 2018 Lec25: Pointers and Arrays
March 16, 2018 Lec26: Holiday

Week 10
March 19, 2018 Lec27: Pointers and Functions

March 20, 2018   Tutorial 9: Pointers
                 Minor Quiz 7
March 21, 2018   Lec28: Structures Basics
March 23, 2018   Lec29: Data Structures

Week 11
March 26, 2018   Lec30: Linked Lists
March 20, 2018   Tutorial 10: Stuctures, Linked List
March 28, 2018 Mazor Quiz II
March 30, 2018   Holiday
March 31, 2018   Makeup Lab for Thursday

Week 12
April 2, 2018   Lec31: Command Line Argument
March 20, 2018   Tutorial 11: Command Line Arguments
                 Minor Quiz 8
April 4, 2018   Lec32: File I/O
April 6, 2018   Lec33: Computational Complexity

April 8, 2018   End-Semester Lab Examination

Week 13
April 9, 2018   Lec34: Sorting Algorithms 1 (PK)
March 20, 2018   Tutorial 12: File I/O, Computational Complexity
                 Minor Quiz 9
April 11, 2018   Lec35: Sorting Algorithms 2 (PK)
April 13, 2018   Lec36: Numerical Methods (PK)

Week 14
April 16, 2018   Lec37: Python 1 (SN)
March 20, 2018   Tutorial 13: Search, Sort
                 Minor Quiz 10
April 18, 2018   Lec38: Python 2 (SN)
April 20, 2018   Lec39: Python 3 (SN)

April 26, 2018
9am - 12noon
End-Semester Examination

May 7-8, 2018   Makeup Examination