

# School of Computer Science, University of Windsor

60-141: Introduction to Algorithms and Programming II

Term: Summer 2014 (July-August)

Dr. Asish Mukhopadhyay

**Office:** 8114 Lambton Tower

**Email:** asishm@cs.uwindsor.ca

**URL:** asishm.myweb.cs.uwindsor.ca

**Off. Hrs.:** 2:30 pm - 3:30 pm on TR or by appointment

## Lectures

(TR) 10:00-12:50 in G100, Chrysler Hall North

## Labs

Lab 51: M 1:00-3:50, ER 3119

Lab 52: W 1:00-3:50, ER 3119

## Prerequisites

You should have a C- in 60-100 (or 62-140) and 60-140 or my permission in order to take this course.

## Textbook

*C How To Program*, by Paul Deitel and Harvey Deitel, 7th Edition. Prentice-Hall: New Jersey, 2012.

## Supplementary material

*The C Programming Language*, by Brian W. Kernighan and Dennis M. Ritchie, Second Edition, Prentice-Hall, Englewood Cliffs, 1993.

## Computer Science Resource Centre

Visit the site <http://csrc.cs.uwindsor.ca> for online help with the material of this course.

## Course Goals

This course continues from where 60-140 left off. While consolidating the constructs of the C-language, program design concepts and algorithmic paradigms introduced in 60-140, we proceed further in all these directions. You will learn about functions, pointers, and their intimate connection with arrays, structures - both static and dynamic. Labs are an integral and important part of the course and are designed to emphasize the concepts learned in the classroom.

## Evaluation scheme

5 labs	4% each
1 lab test	10%
5 assignments	2% each
1 Midterm	20% each
Final Exam	40%

## Test dates

**Lab Test :** 11th August 2014 (Sec 51) and 13 August 2014 (Sec 52)

**Midterm 1:** Thursday, 24 July, 2014 (11 am - 1 pm in class)

**Final Exam:** 14 August, 2014, 8:30 am - 11:30 am, Place: Check with Registrar's Office.

## Policies

Labs and midterm tests which are missed for any reason whatsoever cannot be made up. In such cases, where a student has missed a test for a valid reason, supported by appropriate documentation, e.g. a University of Windsor Student Medical Certificate, the mark for this test will be carried over to the final. **A doctor's note must specifically say that you were not fit to write the test on the particular day.** Along with the doctor's note, please provide a covering letter providing details of the exam missed, your name and SID. This is for my records. The final exam must be written in order to obtain a grade for the course. If you are not able to write the final exam for medical reasons you must contact me immediately to let me know so that a make-up final exam can be arranged as soon as possible.

Cases of cheating and plagiarism will be dealt in accordance with University by-laws.

SET (Student Evaluation of Teaching) will be conducted in the last week of class.

No student is allowed to take this course for the third time without permission from the Dean.

## Tentative Lecture Schedule

Lec. #	Topic
1	Chapters 1-4
2	Chapter 5
3	Chapter 6 (Arrays)
4	Chapter 7 (Pointers)
5	Chapter 7 (Pointers)
6	Chapter 7 (Pointers)
7	Chapter 8 (Characters and Strings)
8	Chapter 10 (Structures)
9	Chapter 10 (Structures)
10	Chapter 11 (File Processing)
11	Chapter 12 (Data Structures)
12	Chapter 12 (Self-referential Data Structures)
13	Review