Course Outline

Final
Revised *January 7, 2015*

Meetings

Type	Section	Days	Time	Location
Lecture	COMP 1805-B/M	Tue & Thu	4:05pm - 5:25pm	2200 RB
Tutorial	COMP 1805-B1/M1	Tue	2:35pm - 3:25pm	304 SA
	COMP 1805-B2	Mon	11:35am - 12:25pm	182 UC
	COMP 1805-B3	Mon	8:35am - 9:25am	304 SA
	COMP 1805-B4	Fri	10:35am - 11:25am	240 TB

Instructor

Name	Email	Office	Office Hours
John Howat	`jhowat@scs.carleton.ca`	5380 HP	Mon & Wed, 2-4pm

Teaching Assistants

All TA office hours are held in 1170 HP. See cuLearn for the schedule.

Course Description

Introduction to discrete mathematics and discrete structures. Topics include: propositional logic, predicate calculus, set theory, complexity of algorithms, mathematical reasoning and proof techniques, recurrences, induction, finite automata and graph theory. Material is illustrated through examples from computing.

Prerequisites

One Grade 12 university preparation mathematics course. Also listed as MATH 1805. Precludes additional credit for MATH 1800.

cuLearn

Students are expected to regularly check cuLearn for important announcements, assignments, references and readings, and grades.

Reading Materials

There are no required textbooks for this course. You may find *Discrete Mathematics and Its Applications, 7th Edition* by Kenneth Rosen to be a useful reference.

Evaluation

Component	Weight	Date
Assignments	20%	Due Jan 23, Feb 13, Mar 13, Apr 8
Tests	30%	In tutorials on weeks of Jan 26-30, Feb 23-27, and Mar 16-20
Final Exam	50%	Scheduled by the University

Assignments

There will be 4 assignments, which will be due January 23, February 13, March 13, and April 8. Assignments should be submitted in the School of Computer Science drop boxes. No late assignments will be accepted. You may **discuss the concepts** of your assignments with others, but your solutions must be **entirely your own**.

Tutorials

There will be weekly tutorials starting January 12. You should attend the section in which you registered. No marks are assigned for the tutorials, but attendance is highly encouraged. Note that tests occur during some tutorials.

Tests

There will be tests during the tutorials on the weeks of January 26-30, February 23-27, and March 16-20.

Final Exam

There will be a final examination which will be scheduled by the University. It is your responsibility to be aware of the date, time, and location of the final exam.

Undergraduate Advisor

The Undergraduate Advisor for the School of Computer Science is available in Room 5302C HP, by telephone at 613-520-2600 x4364 or by email at `undergraduate_advisor@scs.carleton.ca`. The Undergraduate Advisor can assist with information about prerequisites and preclusions, course substitutions/equivalencies, understanding your academic audit and the remaining requirements for graduation. The Undergraduate Advisor will also refer students to appropriate resources such as the Science Student Success Centre, Learning Support Services and the Writing Tutorial Service.

University Policies

Student Academic Integrity Policy

Every student should be familiar with the Carleton University student academic integrity policy. A student found in violation of academic integrity standards may be awarded penalties which range from a reprimand to receiving a grade of F in the course or even being expelled from the program or University. Some examples of offences are: plagiarism and unauthorized co-operation or collaboration. Information on this policy may be found in the Undergraduate Calendar.

Plagiarism

As defined by Senate, "plagiarism is presenting, whether intentional or not, the ideas, expression of ideas or work of others as one's own." Such reported offences will be reviewed by the office of the Dean of Science. Unauthorized Co-operation or Collaboration Senate policy states that "to ensure fairness and equity in assessment of term work, students shall not co-operate or collaborate in the completion of an academic assignment, in whole or in part, when the instructor has indicated that the assignment is to be completed on an individual basis". Please refer to the course outline statement or the instructor concerning this issue.

Academic Accommodations for Students with Disabilities

The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or `pmc@carleton.ca` for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (if applicable) at:

`http://www.carleton.ca/pmc/students/dates-and-deadlines/`

Religious Obligation

Write to the instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website:

`http://www.carleton.ca/equity/`

Pregnancy Obligation

Write to the instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details visit the Equity Services website:

`http://www.carleton.ca/equity/`

Medical Certificate

The following is a link to the official medical certificate accepted by Carleton University for the deferral of final examinations or assignments in undergraduate courses. To access the form, please go to:

`http://www.carleton.ca/registrar/forms/`