CIS*2910 (Winter 2020)
Discrete Mathematics II

Instructor:	**Dr. Charlie Obimbo**
Office:	Reynolds Room 3310 519 824-4120 x 52634
E-mail:	cobimbo@uoguelph.ca
Lectures:	**TTh 2:30 - 3:50 p.m.**
(Graduate) Teaching Assistants:	**David Noel; Oleksandr Voronin; John Beninger; Kathleen McCulloch-Cop; Sean Chow**

Text: Discrete Mathematics & It's Applications (7th Ed.)
Kenneth H. Rosen Addison Wesley, 2012.

1 Course Evaluation

Assessment	Marks	
Class Participation	10 %	[In Class Questions]
Labs	10 %	Lab Assessments
Assignments [5]	20 %	[A2 J31; A3 F14; A4 F26; A5 M9 4 mks each.]
Quizzes	60 %	[Q1 F6; Q2 M12 (In Class); Q3 Tue M31 20 mks each]

Please note these three Dates as they will not be changed for anybody.

To Pass the course, the student has to get at least 50% in the Course work (Participation, assignments and labs), at least 50% on the Tests and at least 50% on the Final Exam. Failure to do so will end in the student achieving a Maximum grade of 45% for the whole course.

Your final grade is the weighted sum of all assessments shown above unless you fail the final exam, in which case your final grade is calculated by

0.4(Labs+ Assignments) + Participation + Midterm

Courselink
Check for announcements frequently. Also, read your general e-mail.

Impt Note: Students are responsible for all material presented in class and for announcements made both in class & by Electronic Means.

Lectures:

Outline (Topics covered will include, but not limited to.)

1.	Review of Sequences & Sums	Chap. 2
2.	Mathematical Induction	Chap. 1, 5
3.	Number Systems	(Obi's Notes)
4.	Growth of Functions, & Complexity of Algorithms	Chap. 3
5.	Induction & Recursion	Chap. 5 & 8
6.	Counting strategies & their summations	Chap. 6
7.	Introduction to Discrete Probability	Chap. 7
8.	Graphs, Graph representation	Chap. 10
9.	Traversal and simple graph algorithms	Chap. 10
10.	Trees	Chap. 11

Having the text will be an ABSOLUTE NECESSITY.

Academic Misconduct

The University of Guelph takes a very serious view of Academic Misconduct. Included in this category are such activities as cheating on examinations, plagiarism, misrepresentation, and submitting the same material in two different courses without written permission. Students are expected to be familiar with the section on Academic Misconduct in the Undergraduate Calendar, and should be aware that expulsion from the University is a possible penalty. If an instructor suspects that academic misconduct has occurred, that instructor has the right to examine students orally on the content or any other facet of submitted work. **THIS COURSE DOES NOT HAVE COLLABORATIVE PROJECTS, SO ALL COURSE WORK HAS TO BE DONE AND SUBMITTED INDEPENDENTLY.**

When You Cannot Meet a Course Requirement

When you find yourself unable to meet an in-course requirement due to illness or compassionate reasons, please advise the course instructor (or other designated person) in writing, with name, address and e-mail contact. Where possible, this should be done in advance of the missed work or event, but otherwise, just as soon as possible after the due date, and certainly no longer than one week later. Note: if appropriate documentation of your inability to meet that in-course requirement is necessary, the course instructor, or delegate, will request it of you. Such documentation will rarely be required for course components representing less than 10% of the course grade.