CIS*2910 (Fall 2016)
Discrete Mathematics II

Instructor:	**Jamileh Yousefi**
Office:	Reynolds Room 317
E-mail:	jyousefi@uoguelph.ca
Lectures:	Tue, Thur 4:00 - 5:20 p.m.
Room:	MACN 113
Labs:	1. MACK 228 Mon 2:30 - 4:20 p.m.
	2. MACK 227 Wed 2:30 - 4:20 p.m.
	3. MACK 227 Tue 8:30 - 10:20 a.m.
	4. MACK 314 Wed 9:30 - 11:20 a.m.
Final Exam:	Location TBA: Tue 7:00 - 9:00 p.m. Dec 6th, 2016
Office Hours:	Thurs 11:00 a.m. - 1:00 p.m.
Graduate Teaching Assistants:	Evan Sala, esala@uoguelph.ca James Fraser, jfrase09@uoguelph.ca Negin Nahoomi, nnahoomi@uoguelph.ca

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

Grading:			
	Assignments (5)	25%	[Sept 22, Oct 6, Oct 20, Nov 15, Nov 29]
	Quizzes (11)	10%	[There are 11 online quizzes (one due each Sunday 11:59pm), the top 10 of 11 quizzes will be counted.]
	Midterm	20%	[**Thu 13-Oct-2016, in class**]
	Final Exam	45%	**Tue. 6-Dec-2016, 7:00 - 9:00 p.m.**

If a student **does all** the assignments and **gets more than 40% in each of them** then the worst one will be dropped, otherwise they will all be counted.

To Pass this course, you need to do at least 4 assignments out of the 5, and pass the final exam. If you get less than 60% in assignments OR less than 50% on the final exam, you have failed the course.

Important Dates:
Midterm Exam: **Thu. October $13^{\mathbf{st}}$, in class.**
Final Exam: **Tue. December $6^{\mathbf{th}}$, 7:00 - 9:00 p.m.**

Web Presence: 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.

All Programming assignments are to be E-mailed, tarred and zipped to the ta account.

Lectures:

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

1.	Review of Sequences & Sums	Chap. 2
2.	Mathematical Induction	Chap. 5
3.	Matrix Algebra & Solutions of Systems of Linear Equations	Section 2.6
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.	Miscellaneous and Review	—

Having & Reading the text will be an absolute necessity.

Policy on Lateness, Absence and Extensions:
Late assignments will generally not be accepted. In the case of a missed test, a mark of zero will be recorded. No make-up test will be provided. Only in exceptional circumstances will requests for extensions for assignment deadlines or excuses for missed tests be entertained. Any such request must be presented to the course instructor (not a TA) with all supporting documentation as soon as possible. The sole remedy available in exceptional circumstances for missed tests is redistribution of its weight to other components.

Policy on Collaboration:
You are expected to work on each problem on your own and present your own solution. You may use the textbooks, notes, lectures, instructors, tutors and classmates to help you find general strategies to solve the problems, but you may not go out and find complete solutions to the problems. You may discuss the strategies to solve these problems with your fellow students, but you may not discuss complete solutions. You cannot take written notes or solutions away from a discussion with another student. Using other people's work or solutions, whether cited or not, is considered plagiarism and carries stiff academic penalties. If you are unsure whether an activity may constitute plagiarism or undue collaboration, consult the instructor immediately.

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