## MATHEMATICS 3P12 (Fall 2017)(Revised) APPLIED ALGEBRA

Professor:	e	MC J422 di@brocku.ca	a spartan.ac.brocku.ca/ $\sim { m yli/3P12/3p12f}$	17.html	
Lectures: Tutorials: Office Hours:	Tuesday and Thursday : 2:00 - 3:30 pm (WH209) Thursday: 11:00 - 12:00 (ST108)(starting the second week) TR: 1:00 - 1:50 pm or by appointment				
Textbook:	Contemporary Abstract Algebra, 9th Edition, by J.A. Gallian, Brooks/Cole Cengage Learning, New York, 2017				
Prerequisite:	MATH 2P12 or permission of the instructor. (Students are strongly recommended to take 2P12 before register in this course)				
Marking Scheme:					
	Four Ass Midterm Final exa		0% 0% 0%		
Course Content: This is a course of group theory with applications and a lowing topics:				vers the fol-	
	groups, o and *cry grange's	cyclic groups ystallographi	symmetry groups and the dihedral g s, permutation groups, group isomorph ic groups, *Burnside's theorem, cose rect products, normal subgroups and fa- optional.	ism, *frieze ts and La-	
Exams and Assignments:		Exam	Date	Mark	
-		Midterm Final Exam	Thursday, Oct 26 Saturday, Dec 16 (19-21:30, AS 215)	30% 40%	

Midterm	Thursday, Oct 26	30%
Final Exam	Saturday, Dec 16, (19-21:30, AS 215)	40%
ASNT #	Due Date	Mark
1	Friday, Sep. 29	7.5%
2	Friday, Oct. 20	7.5%
3	Friday, Nov. 10	7.5%
4	Friday, Dec. 1	7.5%

## Notes:

(1) The Midterm exam will be 60 minutes long and held during the regular lecture time in your classroom. The final exam will be of 2.5 hours duration. No make up midterm will be arranged. If a student misses the midterm exam for a very good reason (proof required), the weight will be added to the final exam. To provide a medical certificate, a student should go to "http://www.brocku.ca/webfm\_send/1423", download a copy of the medical form and fill out it properly.

(2) To pass the course both a passing mark and a score of at least 30 % on the final are required.

(3) The assignments are due in the box outside Room J434 at 5 pm on the due dates. No late assignments will be accepted. The solution to each assignment will be placed on reserve in the library after the due date. You must attach a cover page to your assignment. This should bear (at the top) your name, student number, course number and assignment number. A sample assignment cover page can be found in the Course Home Page.

(4) **Plagiarism:** You may discuss the problems with other students; however, **the final submitted work must be your own.** Any evidence of copying will result in a mark of 0.

(5) Fall Break Week: Oct 10-13 (no classes).

(6) Withdrawal Date: Monday, November 6, 2017 is the last date for withdrawal from the course without academic penalty.