

St. Francis Xavier University
Department of Mathematics,
Computing and Information Systems
Math 354 - Modern Algebra

Instructor: Aaron Childs
Office: Basement Nicholson Annex 20
Phone: 867-5402
E-mail: achilds@juliet.stfx.ca
Web Site: <http://juliet.stfx.ca/~achilds>
Office Hours:

	Monday	Tuesday	Wednesday	Thursday	Friday
8:15-9:15	Math 333			Math 231	
9:15-10:15	Office Hours			Office Hours	
10:15-11:15	Office Hours	Math 231	Math 333	Office Hours	Office Hours
11:15-12:15				Math 333	Math 231
12:15-1:15					
1:15-2:15	Math 354		Math 354	Math 354	
2:15-3:15	Office Hours	Office Hours	Office Hours		
3:15-4:15		Office Hours			
4:15-5:15					

COURSE INFORMATION

Lectures: NH21 Mondays 1:15, Wednesdays 1:15, and Thursdays 1:15

Topics Covered: Chapters 1-7: Arithmetic in \mathbb{Z} , Congruence in \mathbb{Z} and Modular Arithmetic, Rings, Arithmetic in $F[x]$, Congruence in $F[x]$ and Congruence-Class Arithmetic, Ideals and Quotient Rings, Groups. Selected topics from Chapters 12-16 as time permits.

Textbook: *Abstract Algebra, An Introduction*, Second Edition, by Thomas Hungerford. Published by Saunders College Publishing.

Calculators: Any calculator can be used on the tests and exam.

Assignments: There will be seven assignments, due anytime before 12 noon on the following dates:

Assignment #1: Friday, September 19;
Assignment #2: Friday, October 3;
Assignment #3: Friday, October 17;
Assignment #4: Friday, October 31;
Assignment #5: Friday, November 14;
Assignment #6: Friday, November 28;
Assignment #7: Friday, December 5

Note: Assignments handed in anytime after 12 noon on the due dates will receive a grade of 0.

Tests and Final Exam:

The tests and exam will be on the following dates:

Test #1: Thursday October 9
Test #2: Thursday November 6
Final Exam: (Tentative) Thursday December 11, 9:00 am

Course Evaluation:

Assignments: 20%
Test #1: 20%
Test #2: 20%
Final Exam: 40%