

MATHEMATICS 312

September 2015

INSTRUCTOR: A. R. Sourour sourour@uvic.ca
Office: Room A553 in DTB (formerly SSM).

OFFICE HOURS: Tuesdays 1:30 - 2:20 Wednesdays 2:30-3:20, Fridays 1:30 - 2:20

TEXTBOOK: J. Gallian, “*Contemporary abstract algebra*”.

COURSE CONTENT:

(A) Groups:

- Review of Math 212 via a reading assignment: Ch. 0 - 6.
- Mostly new material: Ch. 6 - 11 and 24. Additional material on “groups acting on sets”.

(B) Rings and Things:

- Review of Math 212 via a reading assignment: Ch. 12, 13, 16, 17.
- New material: Ch. 14, 18 - 23.

(C) **OTHER:** If time permits, one or two lectures on the history of modern algebra with reference to original sources.

EVALUATION: Assignments (five or six)	30%
Term Test 1 (16 October 2015)	10%
Term Test 2 (20 November 2015)	10%
Final Examination - scheduled by the Records Office	50%

• Assignments will be assigned and collected - roughly every two weeks. Late assignments will not be accepted. Solutions should be correct, complete, clear, and neatly presented to get full marks. You may discuss the homework questions and answers with your colleagues but every one should write the solutions in her/his own words and should understand the solutions and should be able to explain them. You must reference any external source precisely. Failure to do this constitutes a breach of academic integrity,

ACADEMIC CONCESSIONS: If you miss a test or an assignment due to illness, injury or personal or family affliction, you should notify me as soon as possible, provide a written request to be excused, as well as supporting documentation.

If you are excused from writing one assignment (under the terms outlined in the Calendar) its weight will be added to a term test. If you are excused from writing one term test (under the same terms) its weight will be added to the final exam. If you miss both term tests or more than two assignments (under the same terms) you will be referred to Counseling Services to determine the best course of action.

DEPARTMENT COURSE POLICY. Available on

<http://www.uvic.ca/science/math-statistics/undergraduate/course-policies/index.php>

NOTE: You must not make definite plans for travel or employment during the December examination period until the exam schedule has been posted. Of-schedule exams are given only in accordance with the regulations on “Illness, Accident or Family Affliction” in the University Calendar.