MATH 428 – Lec Q1 – Algebra: Advanced Ring Theory
MATH 582 – Rings and Modules
Winter 2016

Lectures:

TR 14:00 – 15:20 in TB 65.

Instructor:

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Office hours

TR 15:30 – 16:00 by appointment (via email)

Course webpage

`http://www.ualberta.ca/~karpenko/Teaching`
All relevant course material (such as announcements, assignments, etc) will be posted here.

Course content (from BearTracks)

Introduction to commutative algebra, algebraic geometry, and homological algebra.

Objectives

The goal of this class is for students to master the material mentioned in the course content section, and to be able to apply this knowledge to solve computational and theoretical problems. In addition an important goal of this class is for students to familiarize themselves with proving techniques and to be able to find correct proofs by themselves for statements within the scope of the class.

Prerequisite

MATH 326

Textbook

Literature will be given in class. There is no mandatory textbook.

Assignments

There will be several homework assignmets. The assignments will be posted on the course homepage and are to be handed in class on the due date. Late assignments will be not accepted.

Exams

Midterm exam	March 1, 2016 at 2pm in TB65	NB there is no deferred midterm exam. Tentative only, this may change.
Final exam	April 19, 2016 at 2pm	Tentative only this may change.
Deferred Final	not fixed yet	

Students must verify the final exam date, time, and location once it is posted on BearTracks; the date as set by the Registrar takes precedence over the information presented here.
Students must bring their ONECard to all exams.

All exams are closed book exams: no notes, no calculators, no books, no mobile phones (mobile phones are not to be brought to an exam).

In case the midterm exam is missed due to a legitimate reason (as defined in the calendar) and an excused absence is granted, the weight of the midterm exam will be transferred to the final exam. See the calendar for details (§23.3).

Regarding deferred final exams: Applications must be made to the student's faculty office, *not* the department or the instructor. For details see the calendar.

Exam preparation

The best exam preparation is practice. Most exam questions will be similar (but not identical) to homework.

Grades

The grades for this class are computed as follows:

Homework assignments:	40%
Midterm exam:	10%
Final exam:	50%

An overall grade of 50% will guarantee a passing letter grade of at least D. An overall grade of 90% will guarantee a letter grade of at least A.

Notes

Policy about course outlines can be found in §23.4(2) of the University Calendar.

Academic integrity: The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (online at www.governance.ualberta.ca) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

Students who require accommodation in this course due to a disability are advised to discuss their needs with Specialized Support & Disability Services (2-800 Students Union Building).

Audio or video recording of lectures, labs, seminars or any other teaching environment by students is allowed only with the prior written consent of the instructor or as a part of an approved accommodation plan. Recorded material is to be used solely for personal study, and is not to be used or distributed for any other purpose without prior written consent from the instructor.

(created on June 14, 2015 by Nikita Karpenko)