

THE COURSE OUTLINE FOR MATH 525, SECTION 01, FALL 2009  
MWF, TIME 10:50-11:50, LN 2205

**Instructor:** Assoc. Prof. Adrian Vasiu

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**Office hours:**

**Mo:** 3:30–4:30

**Wed:** 2:30–3:30

**Fr:** 1:30–2:30

**Text:** Joseph J. Rotman, *Advanced Modern Algebra*, 2002 by Pearson Education, Inc., Prentice Hall.

**Goal:** We will aim to cover a great part of Chapters 3, 6, 7, 8, and 9.

**Prerequisites:** The standard prerequisite is Math 503 and 504 (Algebra I and II). It can be substituted by any other course which taught enough abstr algebra (groups, rings, fields, and polynomial rings).

**Exams:** There will be one mid-term exam of 55 minutes, one take-home exam, and a final exam. The mid-term exam is scheduled for **Wednesday, October 21**. The take-home exam will be distributed on **Monday, November 16** and it will be collected on **Wednesday, December 2**. The final exam is scheduled for **December 14, 11:00–13:00, in SW331**. The mid-term exam will be worth 100 points, the take-home exam will be worth 80 points, and the final exam will be worth 200 points. Thus the three exams together will be worth 380 points.

**Homeworks and quizzes:** Homeworks will be on a weekly basis. There will be 10 homeworks and 2 quizzes. Each homework or quiz will be worth 10 points. Thus all the homeworks and quizzes together will be worth 120 points. The graded homework is 4 problems. Each quiz will be 10 minutes (plus possible bonus time).

**Homework due days:** Fridays beginning with September 11.

**Quizzes:** No fix dates (pop-up quizzes).

**Points:** The total number of points available on exams, homeworks, and quizzes is 500.

**Lectures:**

Chapter 3 (Aug. 31– Sep. 11): 5 lectures.

Chapter 6 (Sep. 14– Oct. 5 ): 9 lectures.

Chapter 7 (Oct. 7 – Oct. 28): 9 lectures.

Chapter 8 (Oct. 30– Nov. 18): 9 lectures.  
Chapter 9 (Nov. 20– Dec. 11): 9 lectures.

TOTAL: 41 lectures + 1 mid-term exam.

**Attendance and Classroom Decorum:** Students are expected to attend every scheduled class. Late arrivals, early departures, cell phone conversations, eating, or drinking are not appropriate. It is the student's responsibility to keep informed of all announcements, syllabus adjustments, or policy changes made during scheduled classes.

**Extra policies and explanations:**

- (1) Each student has the right to return up to 3 working days later 2 homeworks.
- (2) The student who completes all homeworks will receive 2 points bonus.
- (3) The student which is rank 1 in any one of the three exams, will receive 2 points bonus if alone and 1 point bonus if the rank 1 is shared among two or more students.
- (4) The student who answers correctly a 1 point question will receive 1 point bonus. Occasionally will be 0.5, 2, etc. points bonus questions as well.
- (5) Any other extra policy we will together agree on in the class, will be posted on the BU brain.
- (6) Additional *bonus quizzes* could be administered at any time.