

**Syllabus: College Algebra**

**MATH 1314.501**

**MW 5:30-6:45 pm**

**JO 3.516**

**Fall 2005**

**Instructor:** Dr. Titu Andreescu

**Text Book:** L. Hirsch and A. Goodman: Understanding Intermediate Algebra 5<sup>th</sup>.  
(Student Solutions Manual is recommended.)

Prerequisites: MATH 2419

**Contact Information:**

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Office hours: MW 8:15-9:15 pm and T 6:00-7:00 pm in FN 3.308G

This course is intended to provide students with the algebraic skills needed for basic mathematics courses such as MATH 1325, MATH 2312, MATH 2417, MATH 2333 and STAT 1342.

Main Topics: Equations and inequalities;

Graphing straight lines and functions;

Equations of a line and linear systems;

Polynomial functions;

Rational expressions and functions;

Exponents and radicals;

Quadratic functions and equations;

Operations on functions;

Exponential and logarithmic functions;

**Problem Assignments :**

Problems will be assigned on a regular basis. Answers to most of these problems are given at the back of the textbook. Complete solutions to many of these problems may be found in the Solutions Manual, which may be available in the bookstore. You should work several problems of each type. Working more class assignments is strongly encouraged.

**Examinations:**

All students are expected to take the examinations at the announced time. Students are required to inform the instructor of suspected honor code violations. You must show your work on all problems. If you miss an exam, the grade will be recorded as zero unless you contacted the instructor IN ADVANCE and agreed upon a procedure to make it up. You are responsible for all announcements made in class, including homework assignments and changes in the schedule. Unsatisfactory attendance will affect your final grade.

There will be three major tests and a comprehensive final

Test I, Monday September 26 (subject to change)

Test II, Monday October 17 (subject to change)

Test III, Monday November 7 (subject to change)

Final Exam: Wednesday November 30 (subject to change)

Grading: Two best of the three major tests: 60%

Comprehensive Final: 40%

[97, 100] A+  
[93, 97) A  
[90, 93) A-  
[87, 90) B+  
[83, 87) B  
[80, 83) B-  
[77, 80) C+  
[73, 77) C  
[70, 73) C-  
[65, 70) D+  
[60, 65) D  
[55, 60) D-  
[0, 55) F-