

COURSE OUTLINE AND SYLLABUS MATH 125, Fall 2012

Instructor: Dr. A. Malki

Contact information:

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- **Office hours:** CMS 248: MW 1:30-3:30
- **Course:** Math 125, Intermediate Algebra

Text: Intermediate Algebra, 9th edition, by Kaufmann and Schwitters

Class Section: 3234

Time: MW: 4:10-6:40 PM

Room: CMS 020

Important Dates: these dates are from the schedule of classes and are subject to change

- Monday, Aug. 27 classes begin
- Monday, Sep. 3 Labor Day, college closed
- Thursday, Sep. 6 last day to add classes
- Friday, Sep. 7 last day to drop classes without “W”
- Friday, Nov. 2 last day for section transfer
- Monday, Nov. 12 Veteran’s Day, college closed
- Friday, Nov. 16 last day to drop with a “W”
- Thursday, Nov. 22-25 Thanksgiving Holiday, college closed
- Saturday Dec. 8 classes end
- Mon. Dec. 10-15 final exams week
- **FINAL EXAM TIME: Monday December 10, 5:30-7:30PM**

Course Description: We will cover the following topics:

- Chapter 1: Basic Concepts and properties
- Chapter 2: Equations, Inequalities, and Problem Solving
- Chapter 3: Polynomials
- Chapter 4: Rational Expressions
- Chapter 5: Exponents and Radicals
- Chapter 6: Quadratic Equations and Inequalities
- Chapter 7: Linear Equations and Inequalities in Two Variables
- Chapter 8: Conic sections
- Chapter 9: Functions
- Chapter 10: Systems of equations
- Chapter 11: Exponential and logarithmic functions

Student Learning Outcomes:

- Solve, graph, and analyze various equations or systems of equations and inequalities.
- Interpret, graph and analyze various functions.

Resources: Free tutoring is available at the Math Center in the basement of the Campus Center and the Math Lab in the library. Calculators and textbooks can be checked-out from the Math Center.

Class Structure:

Most of the class time will be used for lecturing and answering questions. Some time will also be used for students to work in groups. Students should also expect to be called upon to solve problems on the board. Class environment is to be informal, open and relaxed; hence students are strongly encouraged to participate fully in class and to ask questions.

Note:

- As a courtesy to other students, please turn off all cell phones before class starts.
- Graphing calculators, cell phones, etc. are not allowed during exams

Exams:

1- There will be six examinations of 100 points each. The lowest grade of these six examinations will be dropped. There will be **no make-up examinations**, since the missed examination will be the one dropped. Any other missed examination will receive a grade of 0.

2- There will be a **comprehensive** final examination of 200 points. There are **no make-ups for the final**, and it will be counted in the final grade.

Exams will be announced in class in advance.

Homework:

Homework will be assigned on a regular basis, but will not be collected nor will it be counted in the grades. Questions on the homework will be answered in the class.

Attendance:

Students are expected to attend all class meetings. Unexcused absences of two meetings may result in excluding students from class. Students themselves are responsible for dropping a class they no longer attend; failure to do so may result in a grade of F.

Grades: Grades will be based on the total number of points earned for tests and the final:

TOTAL POINTS	GRADE
630-700	A
560-629	B
490-559	C
420-489	D
BELOW 420	F

**NO "INCOMPLETE" GRADES WILL BE GIVEN
STUDENTS THEMSELVES ARE RESPONSIBLE FOR DROPPING THE CLASS,
ACCORDING TO COLLEGE REGULATIONS.**

Study Tips:

General:

- Attend all class meetings
- Do not fall behind on your homework or study
- Math is cumulative, what you study now will be needed later
- Avoid anxiety, the best way to do that is by being well-prepared
- Motivate yourself by remembering what a good education means for the future
- Do not rely too much on memorization, concentrate on understanding ideas
- Math is like a foreign language, it must be practiced-- often
- Develop responsibility for your education

Before the test:

- Do the Chapter tests in the book
- Do not stay up late the night before the test
- Arrive ahead of time

During the test:

- Read the instructions
- Begin with the problems that you know how to do
- Show all your work neatly
- Review your work