

# MAC1105 – College Algebra – Spring 2010

## Syllabus - Instructor: Ive Barreiros – [barreiro@fiu.edu](mailto:barreiro@fiu.edu)

**Text:** Algebra and Trigonometry custom version for FIU (8th edition) by Michael Sullivan

**Description:** This course covers the material of Intermediate and College Algebra. The properties of real numbers, operations on polynomial and rational expressions and solving equations and inequalities (polynomial, rational, radical, absolute value) are studied first. Then, focus shifts to functions and their properties. In particular properties and graphs of linear, quadratic, rational, exponential and logarithmic functions are discussed. Ways of solving systems of equations and inequalities are introduced at the end of the semester.

**Objectives:** After finishing the course students should have a good understanding of the concept of a function, its domain and range. They should be able to graph basic functions and be familiar with their properties. They should be able to perform operations on functions, form composition and find the inverse of some one-to-one functions. They should know and be able to apply properties of logarithms. They should be able to solve exponential and logarithmic equations and systems of equations and inequalities.

**Evaluation:** Your final grade will be determined according to your performance in quizzes, homework and a comprehensive final exam. There will not be any extensive tests except for the final exam. You will be given quizzes every two weeks, consisting in a few problems corresponding to the material covered in the previous class sessions (about four sections of the book). **THERE WILL NOT BE MAKING UP EXAMS.** In case you miss **one (1)** quiz, the average of the rest will replace the missing grade. Failing to attend a second quiz will result in a grade of **"zero" (0)** for that quiz. You will receive a list of homework problems that will be similar to the problems in the quizzes.

	Weight (%)	Date
Quiz 1	10	21-Jan
Quiz 2	10	4-Feb
Quiz 3	10	23-Feb
Quiz 4	10	11-Mar
Quiz 5	10	6-Apr
Quiz 6	10	15-Apr
Homework	15	Periodically
Final Exam	25	TBA

**Grading Scale:**  $A \geq 95$ ;  $90 \leq A- < 95$ ;  $87 \leq B+ < 90$ ;  $85 \leq B < 87$ ;  $80 \leq B- < 85$ ;  $75 \leq C+ < 80$ ;  $70 \leq C < 75$ ;  $65 \leq C- < 70$ ;  $60 \leq D < 65$ ;  $F < 60$ .

📅 Hope you will enjoy this course and find it appealing and fun. Organize your class schedule, your study plan and keep in mind the important dates of spring 2010. We encourage you to work consistently, avoiding missing classes and getting behind in study and homework.

📅 This stated policy of attendance and grading will not be changed in any particular case under any personal circumstance. Please take this into account when deciding to attend this class. We strongly recommend you to use the assistance available to help you in this course as indicated below.

**Assistance:** Tutoring is available at FIU Math Department (personal and on line).

Personal tutoring is available at University Learning Center (Academic I - Room 160). Register s soon as possible!

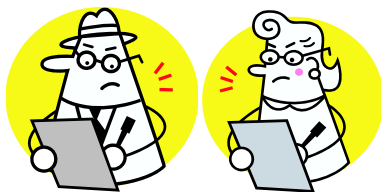
Instructor Office hours: One hour before class. By appointment only.

**Incomplete Grade Policy:** An I grade is to be given only under the condition that the student has successfully completed at least 5 (five) quizzes (with at least 75% average) and has completed the assigned homework but is unable to attend the rest of the course work and final exam due to an unforeseen circumstance beyond his/her control.

**Policy on cheating:** Any attempt of cheating on a test or a quiz will result in an F and further administrative action might be taken.

**Class environment.** Active and positive participation in class will be highly appreciated. Punctuality is important as well as attendance to the whole session in each class. Avoid private conversations, as well as computers and cell phone use during class. Eating and/or drinking in class neither are not permitted. Your instructor will promptly observe and report any attitude, actions, and/or behavior contrary to the indications given in this regard.

Good Luck and Thank you for registering in MAC1105!



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January 4 Monday	Classes begin.
January 11 Monday	Last day to add courses Last day to change grading option.
January 18 Monday	Martin Luther King Holiday (University Closed).
February 26 Friday	Last day to drop a course with a DR grade. Last day to withdraw from the University with a WI grade.
March 15 - 20 Monday - Saturday	Spring Break.
April 19 - 24 Monday - Saturday	Final week of the semester - modified class schedule: Final exams and other course assessment activities are scheduled during this week.
April 19 Monday	Grade rosters available to faculty for grade entry and submission.
April 28 Wednesday	Deadline (by 11:59 pm) for faculty to submit grades.
April 29 Thursday	Complete grade report available to students by web and at kiosks at Noon.