

# MAC 1105 - COLLEGE ALGEBRA

Spring 2007-2

Tuesday/Thursday 9:50-11:05

## INSTRUCTOR INFORMATION:

Professor: Dr. Linda Burton  
Phone: (305) 237-5072 work  
(305) 233-9892 home  
Office #: B120

## COURSE MATERIALS

<b>TEXTBOOK</b>	<b>College Algebra – Lial, Hornsby, Schneider - Ninth Edition (Addison Wesley Publishing)</b>
<b>MYMATHLAB</b>	ALL students <b>MUST</b> register for MYMATHLAB. Register in the Learning Support Lab, Computer Courtyard, or at home. Instructions are available in class. MYMATHLAB is an on-line software package including <ol style="list-style-type: none"><li>1. Information from your professor</li><li>2. Your textbook with interactive activities</li><li>3. Tutorial program with video, practice exercises, tests, etc</li></ol>
<b>GRAPHING CALCULATOR</b>	You will need a <b>Texas Instruments TI-82, 83, or 84Graphics Calculator</b> or another graphics calculator for the course. We will use the calculator every time we meet in class and during every test. If you choose to use a different graphics calculator from the TI-82 or 83, please be aware that you will have to learn how to use it on your own

## STUDENT SUPPORT

<b>LEARNING SUPPORT LAB</b>	The Learning Support Lab is located on the second floor of building "D".(D203) <b>Math tutors</b> available to provide help with your assignments. <b>Videotapes</b> accompanying the text are available for viewing at the lab (and in the Library for overnight checkout). <b>MyMathLab Computer software</b> accompanying the text is available on the computer network.  The Learning Support Lab hours for the semester are: Monday – Thursday: Friday: Saturday:
<b>STUDENT GROUPS</b>	I encourage you to meet with other students from the class as a group to study, do homework or watch videotapes together. Help each other to succeed!!!

## CLASS PROCEDURES

<b>ATTENDANCE</b>	You must attend all class meetings. Do not arrive tardy or leave early!
<b>HOMEWORK</b>	<p><b>MML Written Assignments</b> should be done REGULARLY. They must be handed in on Test Day.</p> <p><b>Practice Tests</b> must be done on a <i>separate sheet</i> and handed in on Test Day. These two written assignments will count 10% of your Final Grade.</p> <p><b>MYMATHLAB Computer Assignments</b> should be done REGULARLY and must be completed by Test Day. They will count 10% of your Final Grade.</p>

## GRADING PROCEDURES

### TESTS AND EXAMS

There are six tests. The average of the six tests will count 60% of your Final Grade.  
There is a final cumulative exam which counts 20% of your Final Grade.

There will be **NO MAKEUPS** for any test or exam. If an emergency prevents you from taking a test at the scheduled date, make sure to contact me immediately in order to make arrangements to take the test before I give it back to the class. Once I return the graded examinations to the class, no one will be allowed to take the test and a zero will be assigned.

### HOMEWORK

All written assignments will be handed in on the Test Date. They count 10% of your Final Grade.  
All MML assignments are to be completed by the Test Date. They count 10% of your Final Grade.

### GRADING SCALE

Each average will be rounded to the nearest whole number and a letter grade will be awarded according to the following scale:

A	-	90% to 100%
B	-	80% to 89%
C	-	70% to 79%
D	-	60% to 69%
F	-	59% or less

### FINAL GRADE:

Tests	60%
Final Exam	20%
<b>Written HW (Practice Test/MML)</b>	<b>10%</b>
<b>MYMATHLAB on computer</b>	<b>10%</b>
Final Grade:	100%

**MAC 1105**  
**Spring Semester 2007-2**

<b>Date</b>	<b>Section</b>	<b>Topic</b>
<b>1/8</b>		Introduction – Linear and Quadratic Equations
<b>1/10</b>	1.6	Other Equations
<b>1/15</b>	1.6	Other Equations
<b>1/17</b>	1.7	Inequalities
<b>1/22</b>	1.8	Absolute Value Equations and Inequalities
<b>1/24</b>		Review
<b>1/29</b>		<b>TEST 1 (1.6, 1.7, 1.8)</b>
<b>1/31</b>	2.2	Functions
<b>2/5</b>	2.3	Linear Functions
<b>2/7</b>	2.4	Equations of Lines: Curve Fitting
<b>2/12</b>		Review
<b>2/14</b>		<b>TEST 2 (2.2, 2.3, 2.4)</b>
<b>2/19</b>	2.7	Function Operations and Composition
<b>2/21</b>	3.1	Quadratic Functions
<b>2/26</b>	4.1	Inverse Functions
<b>2/28</b>		Review
<b>3/4</b>		<b>TEST 3 (2.7, 3.1, 4.1)</b>
<b>3/6</b>		<b>No Class</b>
<b>3/11</b>	4.2	Exponential Functions
<b>3/13</b>	4.3	Logarithmic Functions
<b>3/18</b>		Review
<b>3/20</b>		<b>TEST 4 (4.2, 4.3)</b>
<b>3/25</b>	4.4	Evaluation Log and Change-of-Base Theorem
<b>3/27</b>	4.5	Exponential and Logarithmic Equations
<b>4/1</b>	4.5	Exponential and Logarithmic Equations
<b>4/3</b>		Review
<b>4/8</b>		<b>TEST 5</b>
<b>4/10</b>	5.1	Systems of Equations
<b>4/15</b>	5.3	Using Determinants to solve Systems of Equations
<b>4/17</b>		Review
<b>4/22</b>		<b>TEST 6</b>
<b>4/24</b>		Review for Final Exam
		<b>FINAL EXAM</b>