



Algebra & Trigonometry, 9/e,
by Michael Sullivan

MAC 1114 SYLLABUS

INSTRUCTOR: Professor Adriana Matas

E-MAIL: amatas@fiu.edu **OFFICE:** Math Department, Room DM 415 B

REFERENCE: U 09(84694) **CREDITS:** 3 **CLASS TIME:** TR 12:30 – 1:45 PM **TERM:** Fall 2011

KEEP THIS SYLLABUS WITH YOU DURING THE ENTIRE SEMESTER.

1. PREREQUISITES:

Students in this class must have taken and passed MAC 1105 or its equivalent.

2. TEXTBOOK:

Algebra and Trigonometry by Sullivan, custom edition for FIU or 9th edition with MyLab or stand-alone MyLab access kit. Student Solutions Manual available online (w3.fiu.edu/math)

Option 1- (recommended)- Buy the book that comes **with** the student access code for MyLab at the FIU bookstore.

Option 2- Buy the book, new or used, also available at the bookstore, **without** the student access code to MyLab **but** then you have to buy the access to MyLab separately (instructions down below).

Option 3- (less expensive)- Buy the access code to MyLab **only** and access the textbook online from this site on the web. If you do not mind reading the textbook chapters from your computer monitor, this is a good option for you. You should print excerpts from the book to bring to class as needed.

How to register in MyLab:

- 1- Log on to <http://www.pearsonmylab.com> and where it says Register, click on "Student"
- 2- Enter the Course ID which is **matas82239**.
- 3- Create an account.
- 4- Accept the license agreement.
- 5- Enter the Access Code if you have it or choose to purchase it now (\$80) with a credit card.
- 6- Provide the remaining requested information and complete your registration.

3. COURSE DESCRIPTION:

This course covers the following topics: trigonometric functions, identities, conditional equations, polar coordinates, vectors, polar graphs, complex numbers, DeMoivre's Theorem, and conic sections.

4. TESTING AND GRADING:

There will be four (4) tests during the semester given during regular class time and one (1) final examination which is comprehensive and mandatory. **NO MAKE-UPS** will be given. The lowest test grade may be replaced with the grade in your final exam. There will be no extra-credit assignments.

Your grade will be computed in the following manner:

The average of the four test grades:	55%
Online Homework Assignments in MML	15%
Attendance and class participation:	05%
Final examination:	25%

Grade scale: 90-100 A; 87-89 A-; 84-86 B+; 80-83 B; 77-79 B-; 74-76 C+; 67-73 C; 64-66 D+; 60-63 D; 57-59 D-; 0-56 F.

An **I (Incomplete)** is given only if you are unable to take the final examination because of an emergency and have a passing grade up to that point. A written contract needs to be signed by the student and the instructor prior to the student receiving a grade of I.

5. REQUIRED MATERIALS FOR CLASS (in addition to the textbook):

Access to MyLab, a scientific calculator (graphing calculators are not allowed), notebooks, pencils, erasers, pencil sharpeners, and markers. All tests must be done with pencil, NOT INK. Tests done in ink will not be graded and returned with a grade of zero.

6. ATTENDANCE:

Attending class is the most important thing you can do to succeed in this class. Frequent absences will impact your grade in a very negative way. Do not miss class unless you have a true emergency. You must sign in on the attendance sheet each day the class meets. If you stop coming to class with the intention to drop, make sure you do this before **Monday, Oct 31st.**

7. HOMEWORK (Online and offline):

The online homework is the only one that counts for a grade. You must do these assignments during the period of time they are open and before their due dates. Once an assignment is closed, I will not re-open it. Doing all your homework assignments on a timely basis is the second most important thing you can do to succeed in this class.

1-Online Homework (this is mandatory and counts towards your grade):

Your assigned online homework is done in MyLab, the online website. The course ID for this course is **matas82239**. All of these assignments must be done on or before their due date. After the due date, you will not have access to the assignment anymore, so, if you do not meet the deadline, you will get a grade of zero in that particular assignment.

These assignments are graded immediately within the program. However, as long as the assignment is open, you can re-do the assignment again and again to increase your score until you get 100%. This must be your goal.

You will have access to me when doing the homework by clicking on “Ask Your Instructor.” You can continue on to the other questions as you wait for my help with this question. I commit to reply to your e-mails or request for help from MyLab in less than 24 hours (except on week-ends). If you click for help during the afternoon hours, chances are I will reply back to you right away.

*All of your online homework assignments should be submitted free of errors, with a perfect score of 100% because your grade in MyLab is 15% of your final grade in the class. *

I welcome all your questions from the homework either in class or sent to me online directly from MyLab. I will always respond to your e-mails within 24 hours.

2- Offline Homework – there will also be homework assigned from the book which does not count for a grade.

8. HELP WITH THE CLASS:

You can get free math tutoring service by visiting our Mathematics Department webpage and clicking on “Math Help” or by logging on directly to http://w3.fiu.edu/math_help/math_help.htm

9. CELLULAR PHONES and other electronic devices:

Cell phones (or its equivalent) and laptops are not allowed in class. Cell phones must be turned off (not turned to vibrate or silent) and put away. They cannot sit on your desk and must be completely out of sight. If your cell phone rings or buzzes during class, you will be asked to leave. If it rings or buzzes during a test, you will be asked to leave and will earn a grade of zero. If you step outside during a regular lecture to take a phone call, you will not be allowed back in class. No texting is allowed either.

10. FOOD, CLASSROOM BEHAVIOR, GENERAL ETIQUETTE:

- 1- No food or drinks are allowed in the classroom.
- 2- Do not take shoes off and keep your feet on the floor.
- 2- Proper behavior and respectful language is expected within the classroom at all times.
- 3- Any conduct that interferes with the teaching-learning process may cause the student to be removed from the class and subjected to disciplinary procedure. Some examples of this type of conduct is: **texting during class, having your cellphone(or equivalent) go off in class, stepping outside the class to make or receive a phone call, chatting, exiting and entering the room during the class lecture, being chronically late, packing and leaving early.** None of this type of behaviors will be tolerated in this class.

11. OFFICE HOURS:

T & R 1:45 – 2: 45 PM in room DM 415 B.

Classes and Examination Schedule (subject to change)

<u>DATE</u>	<u>SECTION</u>	<u>SUGGESTED Offline HOMEWORK</u>
Week 1:		
T Aug 23	7.1, 7.2	7.1 # 11-90; 7.2 # 11-60
R 25	7.2, 7.3	7.3 # 5-28 and # 47-56
Week 2:		
T 30	7.4, 7.5	7.4 # 11-114
R Sept 01	7.5 (Cont'd)	7.5 # 9-87
Week 3:		
T 06	Test 1 (7.1-7.5)	
R 08	7.6	7.6 # 9-86
Week 4:		
T 13	7.7	7.7 # 7-42
R 15	7.8	7.8 # 3-18
Week 5:		
T 20	8.1	8.1 # 1-68
R 22	8.2	8.2 # 1-66,
Week 6:		
T 27	8.3	8.3 # 11-44; 57-79
R 29	8.4	8.4 # 9-71
Week 7:		
T Oct 04	TEST 2 (7.6-8.4)	
R 06	8.5	8.5 # 11-89
Week 8:		
T 11	8.6	8.6 # 7-40
R 13	8.7	8.7 # 1-24;
Week 9:		
T 18	9.1	9.1 # 9-26
R 20	9.1, 9.2	9.2 # 9-47
Week 10:		
T 25	9.2, 9.3	9.3 # 9-45;
R 27	10.1	10.1 # 1-82

Week 11:

T Nov	01	TEST 3 (8.5-8.7; 9.1-9.3)	
R	03	10.2, 1.3 (Ch.1)	10.2 # 1-76; 1.3 #1-72

Week 12:

T	08	10.3	10.3 # 5-60
R	10	10.4	10.4 # 1-62

Week 13:

T	15	11.2	11.2 # 1-74
R	17	11.3	11.3 # 1-76

Week 14:

T	22	TEST 4 (10.1-10.4)	
R	24	Holiday, No classes	

Week 15:

T	29	11.4	11.4 # 7-60
R Dec	01	11.4 Continued	11.4 # 7-60

Week 16:

T Dec	6 th	Final Examination	12 Noon – 2 PM
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Do not make travel plans before the final examination date because you will not be able to take this exam on an earlier date.