



# MAC 1105 SYLLABUS

## Spring 2010

**COURSE:** MAC 1105 – College Algebra (Sec. # U20, Class # 16998)

**PREREQUISITES:** A working knowledge of Beginning and Intermediate Algebra

**INSTRUCTOR:** FAITH PETERS

**OFFICE TELEPHONE:** (305) 348-2743

**OFFICE HOURS:** TR 7:40pm. – 8pm., Room USCBA 121

**EMAIL:** mathlover314@hotmail.com

**TEXT:** Algebra and Trigonometry - by Michael Sullivan, 8<sup>th</sup> edition.  
Bring textbook to each class.

**ADDITIONAL MATERIALS:** A **NON-GRAPHING, NON-PROGRAMMABLE** scientific calculator is allowed for this course. Also, graph paper, a ruler, a highlighter, and lots of notebook paper, pencils and erasers are needed! ☺

**COURSE DESCRIPTION:** This course includes the following topics: functions and functional notation; domains and ranges of functions; graphs of functions and relations; operations on functions, inverse functions, linear, quadratic and rational functions; absolute value and radical functions; exponential and logarithmic properties; functions and equations; systems of equations and inequalities; mathematical modeling; and applications of the topics listed above.

### WEEKLY HOMEWORK AND QUIZZES :

- A) **Online homework:** If you do not already have the *MyMathLab* access code, you can purchase it from either the college bookstore or from the CourseCompass website. Go to [www.coursecompass.com](http://www.coursecompass.com). The **course ID** is *peters51927*. This is an online resource offered by the publishing company that will allow you to link many features such as practice chapter tests, audio clips, video clips, student solution manual for your book, etc. You will also be able to contact tutors by phone, fax, email, or chat sessions. For instructions on how to use the online software, go to [www.aw.com/webexdemos](http://www.aw.com/webexdemos) and run the step-by-step demonstration.
- B) **Online Quizzes:** In addition to completing weekly homework assignments via *MyMathLab*, you will also need to complete weekly quizzes based on the homework assignment of that particular week. **YOU MUST GET 70% OR BETTER ON THE CORRESPONDING HOMEWORK** to be able to take the quiz.

***MATH IS NOT A SPECTATOR SPORT!!*** ☺

## TESTS and GRADING:

- There will be 3 exams plus a mandatory, comprehensive, final examination.
- If the final exam grade is higher than the lowest test grade, the lowest test grade will be replaced by the final exam grade (i.e. final will count twice).
- There will be many online homework assignments and quizzes via MyMathLab.
- Your grade will be computed in the following manner:

<b>Exams</b> .....	<b>60%</b>
<b>Online Homework/Quizzes</b> .....	<b>15%</b>
(7% for Homework, 8% for Quizzes)	
<b>Final Exam</b> .....	<b>25%</b>
<b><u>TOTAL</u></b> .....	<b>100%</b>

### GRADE SCALE (in percentages):

100–92	A	74–70	C
91–89	A-	69–68	C-
88–86	B+	67–66	D+
85–82	B	65–62	D
81–79	B-	61–59	D-
78–75	C+	below 59	F

*\*A grade of I (Incomplete) is given only if the student is unable to take the final examination because of an emergency and the student has an average of C or better up to that point. Please note that a grade of C- does not satisfy the requirement of passing non-elective courses with a grade of “C or better”.*

## ATTENDANCE and IMPORTANT DATES:

**Non-Test Days:** It is to your benefit to attend all lectures, but attendance will not reflect in your final grade. Tardiness is discouraged, but if it must occur, I expect you to enter with no interruption to my lecture. Excessive absences and tardiness will only display a lack of interest on your part and will not benefit you in any way.

***IMPORTANT! I will not accept students only showing up for class to take the exams. If my records indicate that you are not showing up for the lectures, you WILL NOT be allowed to take the exams.***

**Test Days:** You will have at least a week notice of any changes to the schedules dates of tests. There are No Make-Up Tests. If you miss a test and, in the opinion of the instructor, the absence is excusable, your final exam will count as two grades. If the absence is not excusable, you will receive a zero on the test missed. Be prepared to document your excuse with a traffic ticket, hospital paper, court paper, etc. Tardiness on test days will result in less time on the test than everyone else. *If you are so late*

*that someone has already turned in their test before you arrive, you will not be allowed to take the test.*

If a student ceases coming to class with the intention of **dropping the course**, it is his/her responsibility to submit the appropriate card at the Registrar's Office on or before the drop date for the term, which is **Friday, February 26<sup>th</sup>**. There will be no classes held during the following days: **MLK Day (Monday, January 18<sup>th</sup>) and Spring Break (March 15<sup>th</sup> – March 20<sup>st</sup>)**. **Final Exam** week is from **April 19<sup>th</sup> – April 24<sup>th</sup>**.

## **Where to go for College Algebra help**

**\* Check out the following website for information on obtaining free tutoring for this class, the student solution manual, etc.**

[http://w3.fiu.edu/math/math\\_help/math\\_help.htm](http://w3.fiu.edu/math/math_help/math_help.htm)

### **CLASSROOM ETIQUETTE:**

**A) Cheating:** Dishonesty on an exam in whatever form—copying from a classmate, using some form of "cheat sheet," or providing information to another student—negates the very purpose of an exam: to evaluate how much each student knows about the material tested. Any student found cheating will receive a 0% on the exam during which it occurred and will be reported to the Department Chairperson for further action.

**B) File keeping:** All materials distributed by the instructor, especially corrected exams, should be saved for future reference. They can constitute an important study guide at the end of the term. It is University policy that the student has 45 days from the start of classes in the subsequent term to raise any questions about grades.

**C) Cell Phones and Lateness:** Please come to class on time and remain there for the duration of the class period. Please turn off all cellular telephones and beepers, or put them in vibrating mode. A cellular phone ringing during classtime is a serious distraction for both the instructor and the students. Taking such a call in class or leaving class to do so is extremely rude and offensive. Respect each other!!!

**ADDITIONAL COMMENTS:** The key to success is to come to class on time, take good notes, do your homework and ask questions. If you can do these 4 things during the course of the term, you should be successful in this class. **PLEASE, FEEL FREE TO ASK QUESTIONS BEFORE, DURING, AND AFTER CLASS!!** ☺

**MAC 1105**  
**Sec. # U20, Class # 16998**  
**Spring 2010**  
**TR 6:25 pm – 7:40 pm**  
**Professor F. Peters**

**TENTATIVE PLAN FOR THE TERM**

Text: *Algebra and Trigonometry, 8th Edition*, by Michael Sullivan

<u>Day</u>	<u>Sections</u>	<u>Day</u>	<u>Sections</u>
Jan. 5	R.2, R.4	Feb. 23	Review
Jan. 7	R.5, R.7	Feb. 25	<b>Exam 2</b>
Jan. 12	R.8	Mar. 2	5.2, 5.3
Jan. 14	2.1, 2.2	Mar. 4	6.1
Jan. 19	2.3, 2.4	Mar. 9	6.2
Jan. 21	Review, 3.1	Mar. 11	6.3
Jan. 26	<b>Exam 1</b>	Mar. 23	6.4
Jan. 28	Handout & 4.5 (optional)	Mar. 25	6.5, 6.6
Feb. 2	3.2	Mar. 30	6.7, 6.8
Feb. 4	3.3, 3.4	Apr. 1	Review
Feb. 9	3.5	Apr. 6	<b>Exam 3</b>
Feb. 11	3.6	Apr. 8	12.1
Feb. 16	4.1, 4.3	Apr. 13	12.6, 12.7
Feb. 18	4.4	Apr. 15	Rev. for Final
		Final Week	<b>Final Exam</b>