

## TRIGONOMETRY – MAC 1114

FALL 2011 (TR meeting)

**Instructor:** Pavel Parada

**E-mail address:** pparada@mdc.edu

**Office hours:** T –TH: 01:15 – 01:45 AM

**Room:** Building DM – 415B

**Textbook:** Algebra & Trigonometry by M. Sullivan custom edition for FIU packaged with MyMathLab access code (or 9<sup>th</sup> edition + MyMathLab access code, or MyMathlab Access Code alone, which contains an electronic version of the textbook)

**Prerequisites:** C or higher in College Algebra

**Course Description:** Trigonometric functions, identities, conditional equations, polar coordinates, vectors, polar graphs, complex numbers, DeMoivre's Theorem, conic sections.

**Material to be covered:** 7.1--7.8, 8.1--8.8, 9.1--9.3, 10.1, 10.2, 1.3, 10.3, 10.4, 11.2--11.4

**Examinations:** There will be three 75-minute exams plus a cumulative Final Exam. Your grade on the final exam may be worth 25%.

**Grading policy:** These Exams will be averaged, each having equal weight, and a letter grade will be assigned according to the following table:

<b>A: 93 – 100</b>	<b>B +: 86 – 88</b>	<b>C+: 75 – 78</b>	<b>D +: 60 - 64</b>
<b>A- : 89 – 92</b>	<b>B: 83 – 85</b>	<b>C: 70 – 74</b>	<b>D: 55 - 59</b>
	<b>B-: 79 – 82</b>	<b>C-: 65 – 69</b>	<b>F: 0 - 54</b>

**Make-up Policy:** There will be no make-up tests. If you miss a test due to illness or other emergency and provide documentation supporting your claim, your final exam will count in place of the missed test. There will be no make-ups for online assignments.

**Attendance Policy:** You are expected to attend all classes. It is your responsibility to complete all assignments on time regardless of whether or not you were present in the class.

**Calculator Policy:** Use of graphing calculators is prohibited in this course. The scientific calculator TI -30XA will be used in some sections of the course.

**Incomplete Grade Policy:** The incomplete grade is given to a student who has substantially completed most of the course work but is unable to finish an exam or other work because of circumstances beyond the student's control. An IN grade cannot be given if it is necessary for the student to repeat the course. An incomplete grade must be made up within two semesters. There is no extension of the two semester deadline. The student must not register again for the course to make up the incomplete. Every incomplete grade must be approved by the Mathematics Department.

**Academic Misconduct:** Includes (but is not limited to) giving or receiving assistance on a test, quiz, or homework assignment for which such assistance is not permitted, falsifying a document to obtain an excusal from a test, and using unauthorized notes on a test or quiz. A more complete definition of Academic Misconduct is given in the Student Handbook. Penalties for Academic Misconduct range from an F in the course to expulsion from the University.

**Tutoring Services:** The Mathematics Department and the University offers a variety of services, ranging from online videos to free tutoring, designed to help students with their courses. Please visit [http://w3.fiu.edu/math/math\\_help/college\\_algebra.htm](http://w3.fiu.edu/math/math_help/college_algebra.htm) for more details.

**Classroom Etiquette:** To create and preserve a classroom atmosphere that optimizes teaching and learning, students are expected to conduct themselves at all times in a manner that does not disrupt teaching or learning. You are expected to come prepared to the class, be on time and remain in the classroom for the duration of the lecture. Talking, eating, sleeping, checking e-mail, using a phone, reading a newspaper, preparing for another class, packing up early is disruptive to others around you and to the instructor. Though classroom participation is always welcomed, questions and comments must be relevant to the topic at hand. If you have a question or comment, raise your hand to be recognized. Electronic devices such as cell phones, iPods, and computers must be turned off during class. Student conduct which disrupts the learning process shall not be tolerated and may lead to disciplinary action and/or removal from class.

## Tentative Daily Class Schedule

SPRING 2012	Date	Topics	Suggested Exercises
Week - 1	01/10	Introduction Section: 7.1	11 – 85 odds page 513
	01/12	Section: 7.2 Section: 7.3	11 -61 odds page 526 7 – 45 odds page 536
Week – 2	01/17	Section: 7.4	11 – 87 odds page 549
	01/19	Section: 7.5 Section: 7.6	21 – 87 odds page 559 19 – 79 odds page 572
Week – 3	01/24	Section: 7.7	17 – 39 odds page 582
	01/26	Section: 7.8	3 – 25 odds page 592
Week – 4	01/31	<b>Review Test I</b>	
	02/02	<b>TEST I</b>	
Week – 5	02/07	Section: 8.1	13 – 67 odds page 614
	02/09	Section: 8.2	9 – 55 odds page 620
Week - 6	02/14	Section: 8.3	11 - 83 odds page 628
	02/16	Section: 8.4	19 – 77 odds page 638
Week – 7	02/21	Section: 8.5	11 – 83 odds page 650
	02/23	Section: 8.6	9 – 57 odds page 659
Week – 8	02/28	Section: 8.7	7 – 45 odds page 664
	03/01	<b>Review Test II</b>	
Week – 9	03/06	<b>TEST II</b>	
	03/08	Section: 9.1 Section: 9.2	9 – 21 odds page 676 9 – 35 odds page 685
Week – 10	03/13	<b>SPRING BREAK</b>	
	03/15	<b>SPRING BREAK</b>	
Week – 11	03/20	Section: 9.3	9 – 31 odds page 693
	03/22	Section: 10.1	11 – 79 odds page 726
Week -12	03/27	Section: 10.2	13 – 59 odds page 739
	03/29	Section: 10.3	11 – 51 odds page 748

Week -13	04/03	<b>Review Test III</b>	
	04/05	<b>TEST III</b>	
Week -14	04/10	Section: 10.4	9 – 49 odds page 760
	04/12	Section:10.5	7 – 15 page 79
Week -15	04/17	Review Final Test	
	04/19	Review Final Test	
Week-16		Final week of the semester – <b>no class</b>	
	04/26	<b>FINAL EXAM</b>	