

MA 113.101 and 105 PRECALCULUS TRIGONOMETRY Fall 2007

Lectures: MW 1:25 - 2:15 p.m. in ILB 140
Labs: MA 113L.101 T 11:00 a.m. - 12:15 p.m. in ILB 405
 MA 113L.104 T 2:00 - 3:15 p.m. in ILB 245

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Office hours: MW 2:30 - 4:30 p.m., or by appointment
Course Compass: www.coursecompass.com

Text: *Precalculus, Graphs & Models*, 3rd edition, by Bittinger, Beecher, Ellenbogen, Penna.

Coverage: Sections 5.1-5.6, 6.1-6.5, 7.1, 7.2, 9.1-9.3, 9.6, 9.7 of the text. The topics include trigonometric functions, their properties and applications, conic sections, polar and parametric equations.

I encourage you to read the relevant section of the book after each class.

Learning Objectives: This course is the second part of a sequence designed to prepare students for the study of Calculus. The students will develop understanding of trigonometric functions and their real-world applications. They will strengthen their algebraic skills by solving trigonometric equations and working with conic equations. The students will study graphs of trigonometric functions with emphasis on amplitude, period, phase shift, and vertical shift. Polar equations and parametric equations will be discussed in preparation for Calculus.

Attendance policy: You are expected to attend all lectures and lab sessions. Roll will be taken daily. If you miss a class, you are responsible to learn the material covered and to know the announcements made in class. Habitually absent students lose privileges: e.g. office hours and grading appeals. *Class attendance will be considered in determining borderline grades.*

MyMathLab: Each student needs to be registered for MyMathLab. Homework assignments and most of the quizzes will be given via MyMathLab, and course announcements will be posted there.

If you are not registered, you need either to get a Student Access Kit or to buy access online at www.coursecompass.com. A Student Access Kit is included with a new textbook, and it can also be purchased separately. If you registered for MyMathLab before for a course based on the same textbook, then you do *not* need a new student access code to enroll in this course. Just make sure that you remember your login name and password. The *Course ID* for this course is **sadovskaya79005**.

Online Homework: Online Homework Assignments will be given via MyMathLab on a weekly basis. **It is necessary to complete each Online Homework Assignment at 80% level to pass the course.** After you have registered for the course, you may reach these assignments by clicking on the course name and then on the *Do Homework* link on the left side of the screen. You can work on and turn in each homework assignment repeatedly until the due date. **Late homework will not be accepted**, so start working on the assignments well before the due date.

Computer Lab: There are Computer Labs in ILB 245 and ILB 405. All computers are equipped with MyMathLab. Check the bulletin board outside ILB 325 for lab times. In addition, MyMathLab can be accessed from most computers with internet access.

Quizzes: Quizzes will be given on a weekly basis during the Lab sessions. Quiz problems will be similar to homework problems. There will be no make-up quizzes, but the lowest two scores will be dropped.

Exams: There will be two in-class exams and a two-hour cumulative final exam.

Exam 1: Wednesday, September 26.

Exam 2: Wednesday, October 31.

Final Exam: Monday, December 10, 1-3 p.m.

All students must plan to take exams at the scheduled times. If you are unable to attend an exam you should contact me promptly, before the exam if possible. A compelling reason for absence, such as illness or a family emergency, will entitle you to a make-up exam. Otherwise, the score for the missed test will be zero.

Calculator: A scientific calculator capable of computing the values of trigonometric functions and their inverses is required for this course. Bring a calculator to each Lab session.

Note: Calculators cannot be used on the exams. It will be announced before each quiz whether calculators are allowed. Books and notes cannot be used on any tests.

Grading Policy: It is **necessary** to pass each Online Homework Assignment at 80% or above in order to earn a grade of C or higher in the course. Any missed Online Homework Assignment will result in a grade of F or D for the course.

Your total score will be calculated as follows:

Homework:	20%
Quizzes:	25%
Exam 1:	15%
Exam 2:	15%
Final Exam:	25%

Your letter grade will be determined as follows:

A: Your total score at least 90% and *each* of your Online Homework Assignment scores is at least 80%.

B: Your total score at least 80% and *each* of your Online Homework Assignment scores is at least 80%.

C: Your total score at least 70% and *each* of your Online Homework Assignment scores is at least 80%.

D and F: If at least one of your Online Homework Assignment scores is less than 80%, or your total score is less than 70%, then your course grade is at most a D. If your total score is less than 60%, then your course grade is an F.

Help with the course: If you experience difficulties with this course, please contact me as soon as possible. You are also encouraged to see the Teaching Assistant in the Lab during his office hours. Free tutoring is available from the Department of Mathematics and Statistics in ILB 456.

Dropping: The last day to drop from a course is Friday, November 9. Please speak with me before making a final decision to drop the class.

Academic accommodations: If you have a specific disability that qualifies you for academic accommodations, please notify me and provide certification from the Office of Special Student Services. It is located in the Student Center, Room 270, Phone 460-7212.

Note: *The requirements and the policies may be modified as circumstances dictate. Such changes will be announced in class and posted on www.coursecompass.com.*