

**SYLLABUS: MATH 1323 (PRECALCULUS II), SECTION
002, SPRING 2008**

ADINA OPRISAN

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Office Hours: MW 2.30-3.30 and by appointment

Lecture MW 1:00 - 2:20 PM, PKH 319

You are expected to attend all meetings of the class. If you must miss a class, plan to get notes for that day from a classmate.

Textbook Precalculus, by Swokowski & Cole, 11th edition

Learning Outcomes Upon completion of Math 1323: Students will be able to sketch the graph of polynomial and rational functions, without the aid of a graphing calculator, including finding zeros and identifying asymptotes of rational functions.

Students will be able to interpret and define the six trigonometric functions, in terms of both right triangles and unit circle. They will be able to graph trigonometric and inverse trigonometric functions, without the aid of a graphing calculator, by applying the concepts of amplitude, periods and phase shifts. Students will also be able to verify and use trigonometric identities and formulas and to apply them to solve trigonometric equations and problems that require solving a triangle.

Students will be able to convert points and equations from polar coordinates to Cartesian coordinates and vice versa. They will be able to sketch, without the aid of a graphing calculator, the graphs of polar curves, especially those representing conic sections: and to identify the vertices, co-vertices, foci, and directrices, where applicable, in both Cartesian and polar coordinates.

Exams There will be two midterm exams and a final exam. Both the second midterm exam and the final exam are comprehensive. All exams are departmental, i.e., all sections of Math 1323 will take the same exam and the grades will have the same weight in each section. Each exam will be a mix of multiple choice problems and show-your-work problems.

- Midterm 1 (20 %): Friday, February 8, 2008, from 6-8 pm;
- Midterm 2 (20 %): Friday, March 7, 2008, from 6-8 pm;
- Final Exam (40 %): Saturday, May 3, 2008, from 3-5.30 pm;
- Homework/quizzes (20 %): six homeworks assigned each other week and four quizzes.

Evaluation Points are earned through two examinations (40 points), final examination (40 points), and homeworks/quizzes (20 points). Your grade will be determined by the following grading scale: $A(\geq 90)$; $B(80 - 89)$; $C(70 - 79)$; $D(60 - 69)$; $F(< 60)$.

Any student who scores below 50 on the final exam cannot receive a grade higher than D in the course.

Make-up Policy If you have a conflict with either midterm or final, you must contact the course coordinator no later than Census Date (January 30) by using a form attached to the coordinator's office door (PKH 448) and submitting it together with necessary documentation as indicated on the form. You may also contact the coordinator by e-mail: Krueger@uta.edu no later than January 30. Do not assume that your e-mail has been received if there is no response from the coordinator. If a conflict arises after January 30, contact the coordinator immediately. Delays in submitting a make-up request may mean that your request cannot be approved.

Drop Policy Any student who drops the course on or before March 28 at 5 pm will receive a W. Students must consult with their major advisor to drop a course.

Calculators The only calculators allowed for the midterms and final are TI-30XA and TI-30XIIS. If you wish to use a different calculator, then you must get permission to do so before an exam. Only nonprogrammable calculators with basic computational features, such as arithmetic and transcendental functions will be allowed. Calculators with the following features are NOT allowed: graphing, equation solving, differentiation and integration. Any device that has internet or e-mail capabilities - this includes cell phones - and any device with a QWERTY keyboard are also not permitted.

Disabilities Act The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93112 - The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodation" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.

Academic Dishonesty It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents Rules and Regulations, Part One, Chapter IV, Section 3, Subsection 3.2, Subdivision 3.22)

Grade Replacement These policies are described in detail in the University catalog and can also be found online at <http://www.uta.edu/catalog/general/academicreg>. The deadline for filing a grade replacement request is Census Date, January 30.

Student Disruption The University reserves the right to impose disciplinary action for an infraction of University policies. For example, engagement in conduct, alone or with others, intended to obstruct, disrupt, or interfere with, or which in fact obstructs, disrupts, or interferes with, any function or activity sponsored, authorized by or participated in by the University.

Drop for Non-Payment If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office.

- Important Dates**
- January, 30: Census date; Deadline for makeup exam requests
 - Friday, February 8: Midterm 1, 6-8 pm
 - Friday, March 7: Midterm 2, 6-8 pm
 - March 17-21: Spring Break
 - Friday, March 28: Last day to drop
 - Friday, May 2: Last day of classes
 - Saturday, May 3: Final Exam, 3-5.30 pm

Disclaimer The instructor reserves the right to make any changes she considers academically advisable. Changes will be announced in class and

posted on the class website. It is your responsibility to keep up with any changed policies.

Textbook Exercises We have selected some exercises from the textbook that illustrate some of the ideas presented in class. Your solutions to these problems will be collected and some of them will be graded. If you encounter difficulty or are slow in solving problems, you should re-study the material, seek help, and do additional exercises to improve your mastery of the concepts and methods.