

Math 1323-001
Precalculus II

Fall 2012
MWF 10-10:50 am

Instructor: Dr. Krueger
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Office Hours: Mondays noon – 1pm; Wednesdays & Fridays 11am - noon
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From the undergraduate catalog: E-mail is a prime means for communication. Therefore, the University has the right to send communications to students via e-mail and the right to expect that those communications will be received and read in a timely fashion. The Office of Information Technology (OIT) will assign all students an official University e-mail address. It is to this official address that the University will send e-mail communications. Students are expected to check their official e-mail account on a frequent and consistent basis to stay current with University communications. The University recommends checking e-mail daily in recognition that certain communications may be time-critical.

Textbook: *Precalculus Custom Edition for the University of Texas at Arlington* by Aufmann, Barker and Nation

Course Prerequisite: A grade of C or above in Math 1322 (Precalculus I) or a sufficient score on the Math Aptitude Test or sufficient SAT/ACT math scores.

Learning Outcomes: Upon completion of Math 1323:

1. Students will be able to interpret and define the six trigonometric functions, in terms of both right triangles and the 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 word problems, including problems that require solving a triangle.
2. 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, covertices, foci, and directrices, where applicable, in both Cartesian and polar coordinates.

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| Grading Scale: | 90-100 | A |
| | 80-89 | B |
| | 70-79 | C |
| | 60-69 | D |
| | 0-59 | F |

To earn a C or better in the course will require at least 10 focused hrs per week outside the classroom. You are expected to read each section in the text, preferably before we cover that section in class. Read the section again after it is covered in class, review your class notes, and attempt the assigned problems before the next class meeting. If you cannot work all the problems, do not let that prevent you from working as many as you have time to do.

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| Grade Components: | Midterm 1 | 20% |
| | Friday, September 21, 2012 from 6-8 pm | |
| | Midterm 2 | 25% |
| | Friday, October 26, 2012 from 6-8 pm | |
| | Final Exam | 35% |
| | Saturday, December 8, 2012 from 3:30 - 6 pm | |
| | Quizzes & Worksheets | 20% |

Midterms and Finals: These 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. All of these exams are comprehensive. Each exam will be a mix of multiple choice problems and show-your-work problems.

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

Recent exams can be found online at

<http://www.uta.edu/faculty/dsmith/precalculus/>.

Older exams can be found at

https://mavspace.uta.edu/xythoswfs/webview/_xy-695774_1.

They are also available in the Science Education and Career Center, 106 Life Sciences building. The solutions to the multiple choice questions are available at

https://mavspace.uta.edu/xythoswfs/webui/_xy-1083521_1-t_xKczEnpM.

Make-up Policy: If you have a conflict with either midterm or final, you must contact the course coordinator no later than Census Date (September 10), by using a form attached to the coordinator's office door (PKH 448) & submitting it together with necessary documentation as indicated on the form. If a conflict arises after September 10, contact the coordinator immediately. **Delays in submitting a make-up request may mean that your request cannot be approved.**

Homework: You are expected to work all problems on the departmental assignment sheet; these problems will not be turned in for grading. Problems similar to those on the assignment sheet will be available in your online homework.

Quizzes: Unless otherwise announced, all work on all quizzes is to be yours and yours alone – that means no help from any source except your textbook, your own notes and an allowed calculator (see below). You will have three types of quizzes:

In-class quizzes: These quizzes will be very brief and will generally be given at the beginning of the class period. These quizzes will test material recently covered in class and are designed to encourage you to

- study the material as it is covered in class and
- be regular and prompt in your attendance.

In-class quizzes will not be announced in advance and may be given during any lecture or lab period. Students who arrive late will not be allowed to take in-class quizzes. In most cases, calculators will not be allowed.

Take-home quizzes: These quizzes will be announced in class but you will complete the work outside of class. Take-home quizzes will generally be due at the beginning of the next class period and will not be accepted after class begins.

Online quizzes: Online quizzes will be announced via email (to your University email address). You will be allowed several days to complete the quiz and I will indicate the deadline in my email to you. In order to access the online quiz, you must complete the required online homework with a grade of 70% or better. Because I allow several days for you to complete each online quiz, there will be no deadline extensions given because of technical problems.

Worksheets: During some class periods, you will work on problem set that are designed to help you better understand recent lectures. You will generally be allowed to use your text, your notes, and your calculator. You can also work with other students and ask me for hints. These worksheets will be collected at the end of the period for grading. Students who are tardy will receive a grade deduction on their worksheets. Students who leave early will receive a grade of zero on the worksheets.

Quiz/Worksheet Make-up Policy: No makeup quizzes of any kind will be given. No makeup worksheets will be given. I will drop your 2 lowest online quiz grades. I will drop your lowest in-class or take-home quiz. I will drop your lowest worksheet grade.

Drop Policy: Any student who drops the course on or before Wednesday, October 31 at 5 PM will receive a W. **Students must consult with their major advisor to drop a course.**

Calculators: The 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 means NO cell phones** - and any device with a QWERTY keyboard are also not permitted.

Student Support Services Available: The University of Texas at Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at 817-272-6107 or visit www.uta.edu/resources for more information.

START STRONG Freshman Tutoring Program

University Tutorial and Supplemental Instruction (UTSI)/University College

All first time freshmen can receive six FREE hours of tutoring for this course and other selected subjects for this semester. **Students must sign up and complete their first hour of tutoring by September 14th.** To sign up, visit UTSI in 205 Ransom Hall/University College. Upon completion of your first tutoring appointment, you will receive five hours of additional free tutoring. Flexible tutoring hours are available from 7:00am – 9:00pm, seven days a week at secure locations on campus. All tutors receive extensive training. Find out more at www.uta.edu/Startstrong.

The Math Department operates the **Math Clinic**, a tutoring service staffed by upper level undergraduate students. The Math Clinic is in room 327 PKH; the phone number is 817-272-5674; and the hours of operation for fall and spring are

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| Monday – Thursday | 8am to 9pm |
| Friday | 8am to 1pm |
| Saturday | 10am to 6pm |
| Sunday | 1pm to 9pm |

Go to the Math Clinic webpage <http://www.uta.edu/math/clinic/> to get more information or to access assignment sheets for the courses for which tutoring is offered.

Previous midterm exams and some previous final exams are available to students in the **Science Education and Career Center (SECC)**, 106 Life Science Building. The fall and spring hours of operation are

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| Monday-Thursday | 8am - 8pm |
| Friday | 8am - 5pm |
| Saturday | 12pm - 5pm |
| Sunday | Closed |

You need a Mav ID Card to check out these exams. A copy machine is available for you to make copies. There are also video tapes of lectures on calculus topics that can be viewed in the SECC. For more information, go to <https://www.uta.edu/cos/SECC/login.php>.

The Math Department maintains a list of people who have expressed an interest in tutoring. These persons are not necessarily recommended by the Math Department and they set their own fees. You may obtain a copy of the tutor list in the Math Office, 478 PKH.

Americans with 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**.

If you require an accommodation based on disability, I would like to meet with you in the privacy of my office, during the first week of the semester, to make sure you are appropriately accommodated.

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 and Grade Exclusion Policies: These policies are described in detail in the University catalog and can also be found online at

http://web.uta.edu/catalog/content/general/academic_regulations.aspx#10

(scroll about half way down the page).

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 of Tuition: 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:

September 3
September 10

Labor Day
Census Date

Deadline for makeup requests for all exams

Friday, September 21
Friday, October 26
Wednesday, October 31
November 22-23
Wednesday, December 5
Saturday, December 8

Midterm 1, 6 – 8 pm
Midterm 2, 6 - 8 pm
Last day to drop a class
Thanksgiving Holidays
Last day of classes
Final Exam, 3:30 - 6 pm