

MATH 1284C Precalculus

Course Coordinator: Dr. Caleb Holloway

Email: cdhollow@uark.edu

Your instructor's information, including name and office hours, is available on Blackboard.

Necessary Purchases

- MyLabsPlus Access Kit
- Turning Point Response Card ("Clicker")

Textbook: *Precalculus* by Shulz, Briggs, and Cochran. This book is available in electronic format only, and access to it is included with your MyLabsPlus access kit.

Course Objectives

This course is designed to prepare you for a first semester of calculus. Once you have completed this course, you should understand functions and function operations; be familiar with common algebraic functions, trigonometric functions, and trigonometric identities; and have the reasoning skills to solve a wide range of problems involving these topics.

Accessing your MyLabsPlus Account

See the MRTC master syllabus, available both on BlackBoard and at mrtc.uark.edu, for information on accessing your MyLabsPlus account, as well as other important information.

Course Entry Quiz

You can find the Course Entry Quiz under Quizzes & Tests in MyLabsPlus. This quiz covers the topics in the syllabus. It is a prerequisite for the first two homework assignments. You should complete this quiz as soon as possible.

Grading

Class Work	5%	Quizzes	10%
Drill Work	7.5%	Checkpoint Tests	10% each
Pre-Class Lessons	5%	Midterm Exam	20%
Homework	7.5%	Final Exam	25%

Class Work

Your work in class will be recorded and graded using your clicker. During each lecture you will be asked questions on the day's topic, and you will submit your answer using your clicker. It is

your responsibility to bring your clicker to each day's class. If you do not have your clicker, you cannot receive points for that day's class work.

Your class work grade is not an attendance grade, nor is it merely a participation grade. Although incorrect answers are awarded with half credit, for full credit you must answer the questions correctly. Thus, you should always be sure to study the eText and complete each PCL before attending class.

Please be aware that using a clicker registered to anyone but yourself is considered academic dishonesty. In such an event, both parties involved will be reported for academic dishonesty and will be penalized. This can lead to the forfeiture of class work points, at a minimum, and may even be grounds for expulsion.

Drill Work

Each drill session is an opportunity for vital practice of the topics discussed in class. During each drill session, your drill instructor will provide you with an activity designed to hone your knowledge of course topics. It is imperative that you attend each drill session having prepared to engage in the day's activities.

Pre-Class Lessons

The pre-class lessons (PCLs) are designed to prepare you for class each day by acquainting you with the topics to be discussed. Before completing a PCL you should read and study the portion of the textbook to be covered. Each PCL emphasizes the concepts of the next day's topics and therefore is due the night before the associated lecture.

You must be sure to study for and complete each PCL before its associated lecture. If you do not, you will find yourself unprepared for class and unable to do the required work in class.

Homework

Your weekly homework assignment is where you will find exercises for each week's topics. Learning is an active process, so you must complete each assignment in a timely manner if you wish to succeed in this course.

You will have three attempts on each homework question. If you fail all three attempts, the answer will be shown to you, and the question will be marked wrong. However, at this point you may attempt to solve a similar exercise; doing so will give you full credit for the problem.

Each homework assignment is due the Friday at the end of its week. You must complete at least 80% of a homework assignment before you will be allowed to take that week's quiz.

Quizzes

Each week will have a quiz associated with it. Unlike homework, each quiz is timed, and you will not be shown the correct answers until you make your final submission. You must have completed at least 80% of the week's homework assignment before you attempt the quiz. If you are not satisfied with your quiz score, you have the option to retake the quiz, up to a total of three attempts. However, before your third and final attempt you will be required to master that week's study plan.

Each week's quiz will usually be due the following Sunday. Check your MLP calendar regularly so that you don't miss any due dates. You will not be allowed to work on a quiz past its due date, and no quiz can be reopened once its due date is past.

Tests

There will be four tests given during the course of this semester. The two Checkpoint tests will be taken on MLP. Unlike other assignments, these tests must be completed in the MRTC testing center (SCEN 203) during the prescribed dates. Visit mrtc.uark.edu for testing center procedures and hours of operation.

You will be allowed to review your test immediately after submitting. Be sure that you do not close the window until after you have finished reviewing, because once the window is closed it cannot be reopened and you will be unable to review your test. In addition, be sure that you select to enable pop-ups on the MLP website *before* starting your test, or you might miss your opportunity to review your test entirely. If you notice that a question was marked as incorrect due to a typo, you may request and fill out a pink sheet to receive credit for that question. Only answers that are clearly correct (except for a typo) are eligible to receive credit back.

The midterm and final exam differ from the checkpoint tests in that they will *not* be given on MLP. Instead, these will be written, paper tests. The midterm and final exam will each be administered at a specified date *and* time. (The midterm and final will *not* be given in the testing center.) Dates, times, and locations, if not listed in the table, will be announced as the time approaches.

	Location	Sections 1 & 4	Sections 2 & 3	Chapters Covered
Checkpoint 1	SCEN 203	Feb 11 & 12	Feb 12 & 13	1.1-2.4, Appendix A
Midterm Exam	TBA	TBA	TBA	1.1-4.5, Appendix A
Checkpoint 2	SCEN 203	Apr 15 & 16	Apr 16 & 17	5.1-6.2
Final Exam	TBA	May 4 at 6 PM	May 4 at 6 PM	Comprehensive

Study Plan

The study plan contains problems similar to your homework problems, but divided by topic. After completing at least one of the practice problems for a given topic, you will be able to attempt a short quiz, called a “Quiz Me,” on that topic. Scoring 80% or better on a Quiz Me will award you with a mastery point for that topic.

Although completing the study plan does not affect your grade directly, it is necessary to obtain a set number of mastery points before retaking a quiz. In addition, the study plan is an excellent resource for improving your knowledge of course topics and for preparing for tests.

Clickers

You are required to purchase a clicker for this course so that you may participate in lecture activities. Clickers will not be used during the first two weeks of the semester so that you have time to purchase and register yours. You must have your clicker, and have it registered, by the Monday of the third week of class. Instructions for registering your clicker may be found at this course’s home page at learn.uark.edu.

Keeping up with your clicker is your responsibility. If you do not have it with you in class, you cannot receive participation points for that day. If you have not registered your clicker, or you have registered it incorrectly, you cannot receive participation points for that day.

Calculator

This course does not allow the use of graphing calculators. You will be allowed to use a non-graphing, non-programmable scientific calculator during exams. When you arrive at the testing center to take your exam, you will be given a TI-30XIIS calculator to use during the exam; you will not be allowed to use your own calculator during the exam. During lectures and drills you are expected to use only non-programmable, non-graphing calculators, as well. No calculator with differentiation (denoted “ $\frac{d}{dx}$ ”) or integration (denoted “ \int ”) functions is allowed either in lecture or on exams; this includes the TI-36X Pro calculator.

Note that the proctors at the testing center will not be allowed to answer any question regarding the use of the calculator. For this reason, it is highly recommended that you become acquainted with the TI-30XIIS by using one during your homework and quizzes.

Other Technology

Use of other technology, such as cell phones, laptops, and tablets, is permitted during lecture provided they are being used for activities related to class, such as note-taking or using the interactive figures in the eText. You should not use your device to check Facebook, play games, or work on assignments for other classes during class. If you are caught using an electronic device for something not pertaining to class you will be asked to put it away, and you may be asked to leave the classroom and forfeit your participation points for that day.

Extension Policy

No extensions will be given for any quiz, homework assignment, pre-class lesson, or participation points. In lieu of extensions, your two lowest quiz scores, three lowest class work grades, *and* two lowest drill grades will automatically be dropped at the end of the semester. If you must miss class because of a university-sponsored event, you will be excused for the participation when you present documentation to your lecture instructor.

Technical Difficulties

Your MLP assignments (besides tests) may be taken from any computer with internet access. It is your responsibility to complete these assignments on time. Neither your instructor nor the MRTC can be held accountable if you are unable to complete an assignment due to some technical problem, including (but not limited to) the following: computer errors, power outages, loss of internet, or problems with the MLP website. For help with dealing with such problems, see the MRTC master syllabus. You should always complete each assignment well enough in advance of its due date to allow for time to deal with any problem, should one arise.

Accommodations

Under University policy and federal and state law, any student with documented disabilities is entitled to reasonable accommodations to ensure the student has an equal opportunity to perform in class. If you have such a disability and need special academic accommodations, please report to Center for Educational Access (CEA). Reasonable accommodations may be arranged after CEA has verified your disability. You must discuss your accommodations with your instructor as soon as possible. To receive accommodation this must be done at least a week before you take an exam. Do not hesitate to contact your instructor or a member of the MRTC Staff if any assistance is needed in this process.

Academic Integrity

“As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail.” Each University of Arkansas student is required to be familiar with and abide by the University's Academic Integrity Policy, which may be found at <http://provost.uark.edu/>. Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.\

Etiquette

Each student is expected to help foster a positive learning environment in the class. Talking and distractive behavior during class will not be tolerated. Wait until class is over before packing up, as it is frustrating to both the instructor and fellow students when people begin making noise before class has ended. Be supportive of your fellow students when they have questions.

When communicating with your instructor, be sure to use appropriate language for an educational environment. Appropriate language includes complete sentences; proper spelling and grammar; and the avoidance of slang, uncommon abbreviations, and obscene or threatening language. When emailing your instructor, you *must* include your complete name, as well as your class name lecture time.

More Information

Information on the inclement weather policy, emergency procedures, and accessing your MLP account can be found in the MRTC master syllabus, available on Blackboard and at mrtc.uark.edu. Information on testing procedures can be found on Blackboard and at mrtc.uark.edu.

Help with this Course

You can work on your homework and study plan in the computer labs in SCEN 209, 211, and 212, where there are tutors on hand to help you if you need it. Lab hours are posted at mrtc.uark.edu. If you need more one-on-one help, you can visit the Enhanced Learning Center's website at elc.uark.edu to set up a tutoring appointment.

Tips for Success

- Prepare for each day of class by completing the PCL on time.
- Read and study the assigned chapter in the eText before attempting the PCL. Don't jump right into the PCL and try to pick out the answers from the eText without studying it.
- Bring something to write with to class and take notes. Taking notes not only gives you something to study later, but it also helps enhance your learning in class.
- Work the problems in class. Pull out a pencil and paper and do the problems.
- If you are having trouble answering questions in class, you can get an early start on the homework to prepare yourself.
- Take your drills seriously. They provide an extra dimension to the learning experience beyond what you can get from lecture and assignments alone.
- Use the "View an Example" and "Help Me Solve This" learning aids sparingly. Overuse can make it difficult for you to learn the topics.
- If a question tells you to find the solution without a calculator, don't use a calculator! You're only handicapping yourself if you do.
- Treat each quiz like a miniature test by preparing for it in advance, to the point that you can complete the entire quiz without having to refer to your notes or homework.

- Don't be afraid to ask for help! This applies to both questions on your assignments and to questions in class and drill.