

## MATH 1284C Precalculus

**Course Coordinator:** Dr. Caleb Holloway

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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 by developing your skills in reasoning and problem-solving, and by bringing you to fluency in the subjects of algebra and trigonometry. Topics include functions and function operations; linear, quadratic, polynomial, and rational functions; exponential, logarithmic, and inverse functions; trigonometric functions and the unit circle; right-triangle trigonometry and applications; trigonometric identities; and solving trigonometric equations.

### Accessing your MyLabsPlus Account

See the MRTC master syllabus, available both on BlackBoard and at [mrtc.uark.edu](http://mrtc.uark.edu), for information on accessing your MyLabsPlus account, as well as other important information.

You will need to purchase a MyLabsPlus access kit for this course. Temporary access to MLP is available if you cannot make this purchase right away. Please note that temporary access will expire 14 days after your initial login.

### Course Entry Quiz

You can find the Course Entry Quiz under Quizzes & Tests in MyLabsPlus. This quiz covers the topics in the syllabus. You are required to score 100% on this quiz to continue in this course. It is due Jan. 29.

### Grading

<b>MLP Homework</b>	10%	<b>Checkpoint Exams</b>	12.5% each
<b>Weekly Projects</b>	10%	<b>Midterm Exam</b>	20%
<b>Class Participation</b>	10%	<b>Final Exam</b>	25%

## **Lecture**

Before coming to class, you should prepare by studying the assigned chapter from the textbook.

Learning is an active process, not a passive one. In class, you should be continually taking thorough notes. Discussion is not only encouraged, but expected, and questions are welcome. You will also be expected to work some problems in class. These serve not only to enhance your learning experience, but also count towards your participation grade.

Participation is recorded using your clicker. During lecture, you will be asked to work problems and submit your answers with your clicker. You must be sure to bring your clicker with you to class, or you will not receive participation points for that day. You are expected to stay for the entire class and to participate in all activities.

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 participation points, at a minimum, and may even be grounds for expulsion.

## **Drill**

Drill is designed to be a supplement to lecture. Bear in mind that “supplement” does not mean “less important.” Regular participation in both lecture and drill are vital to your success in this course.

You will receive a take-home weekly project in drill each Thursday. This project is due the following Thursday, at the beginning of drill that day.

## **Homework**

Your homework comes in two parts. Your textbook homework consists of problems assigned from the book, which will be given to you in class each day. These problems serve as the primary exercise for developing your understanding of course topics, as well as preparing you for weekly projects and tests. Answers to odd-numbered homework problems can be found in your textbook.

MLP homework assignments can be found online in MyLabsPlus. The date listed in the assignment’s name is the date you should begin working this assignment, *at the very latest*. Your MLP homework score constitutes 10% of your overall grade.

## **Weekly Project**

You will receive a take-home weekly project in drill each Thursday. Each weekly project consists of ten questions that are similar in nature to the textbook homework problems; therefore, you should be sure to complete your homework problems so that you can succeed on your weekly

project. Because the project is take-home, you are allowed to get help when working on it; however, the work you submit must be your own. In addition, all work, including notation, must be without error. The project questions are graded on an all-or-nothing basis, and a single error will result in the entire question being counted wrong.

Each weekly project is due one week from the day it is assigned, at the beginning of your drill. Solutions will be posted to Blackboard thereafter. Projects handed in late will not be accepted.

## 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 (CMPN 327) during the prescribed dates. Visit [mrtc.uark.edu](http://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.) Locations will be announced as the times approach.

	Location	Group A	Group B	Sections Covered
<b>Checkpoint 1</b>	CHPN 327	Feb. 23 or 24	Feb. 24 or 25	1.1 through 2.5
<b>Midterm Exam</b>	TBA	Mar. 10 at 6 PM	Mar. 10 at 6 PM	1.1 through 3.4
<b>Checkpoint 2</b>	CHPN 327	Apr. 20 or 21	Apr. 21 or 22	3.5 through 5.4
<b>Final Exam</b>	TBA	May 9 at 6 PM	May 9 at 6 PM	Comprehensive

Course sections are divided into two testing groups. Group A consists of sections 002, 005, and 006. Group B consists of section 001, 003, and 004.

If you have an irreconcilable conflict with the time for the midterm or final, *you must contact your instructor immediately* to make alternative arrangements. If you do not, you will be expected to take the exam at the regular assigned time.

### **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 week 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 second week of class. Instructions for registering your clicker may be found at this course's home page at [learn.uark.edu](http://learn.uark.edu).

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

### **Calculator**

Only the TI-30XIIS calculator is allowed during tests. You will not be allowed to use any other model calculator during any exam. For this reason, you should become acquainted with this calculator by using one during your homework and weekly projects.

When taking a Checkpoint exam at the MRTC testing center, you will be able to check out a TI-30XIIS from the front desk. However, if you wish to use a calculator during a written exam, you will need to bring your own.

### **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 project, homework assignment, or pre-class lesson. To avoid missing an assignment, you should begin work on it as soon as possible. Extensions may be given for tests provided you have a *valid, documented* excuse.

### **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](http://mrtc.uark.edu). Information on testing procedures can be found on Blackboard and at [mrtc.uark.edu](http://mrtc.uark.edu).

**Help with this Course**

You are encouraged to make use of the Calculus Corner in the lobby on the fourth floor of Champions Hall. There you can receive help with your coursework from the graduate teaching assistants on duty. The Calculus Corner's operating hours are 10:00 AM to 5:00 PM, Monday through Friday.

If you have any questions about this course, please do not hesitate to contact your instructor.