Listen

MATH 1113, Pre-calculus, [Term]

Course Instructor:

[Instructor Name]
[Institution name]
[Institution address]
Phone Number: (xxx) xxx-xxxx
Fax: (xxx) xxx-xxxx
E-mail address: xxxxxxxxxx@xxxxx.edu

Office hours:
Xxxday, X:00 am/pm - X:00 am/pm

During office hours, you can find me in XXX. You can also reach me during office hours at the above phone number.

NOTICE: Please use the internal course e-mail for general correspondence. I provide my external e-mail address for emergencies only. I cannot answer questions, accept assignments, or discuss grades via external e-mail so please use it for emergencies only.

Response Time: Unless you are notified otherwise, I will work to respond to all student questions and emails within 24 hours during the week and within 48 hours during the weekend.

Accessibility Services

In order to receive special accommodations, **students must provide documentation to the instructor** from the disabilities center at their affiliate institution or from the Regents Center for Learning Disorders. If you are a student who is disabled as defined under the Americans with Disabilities Act and require assistance or support services, **please notify the instructor prior to attempting any activities or assessments in this course during the first week of class**.
Also, students with disabilities or who require special testing accommodations must contact the Proctored Exam Testing Coordinator at etesting@westga.edu before scheduling a proctored exam appointment.
Other resources:

- https://ecore.usg.edu/current-students/accessibility-services
- http://www.section508.gov
- http://www.w3.org/TR/WCAG/
- http://webaim.org/

Attendance Verification

IMPORTANT- In order to confirm your attendance and participation in this course, you must complete the Mandatory Attendance Quiz AND the Introductions discussion activity before the participation deadline. Please note that failure to complete these activities may result in your being removed from the course.

Participation dates for the term can be found in the News widget on your course homepage or at the following URL: https://ecore.usg.edu/courses/calendar/index.php. BOTH of these activities are required and can be found in the Course Content's Start folder.

Course Description:

Welcome to the eCore^{TM} Precalculus course, Math 1113. You are reading the syllabus created for this course. A link to a printable version of this syllabus is located at the bottom of the page. Should you have any questions you are encouraged to use the Discussion tool.

eCore Math 1113 is a 3 credit-hour course (semester hours). It is designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of algebraic and transcendental functions accompanied by analytic geometry and trigonometry.

This course is delivered via GoView to your computer. It is not an asynchronous course in which you study along and complete the assignments at your own pace. This course is designed for you to learn through discussions, homework assignments, quizzes, and exams to keep you with the pace your instructor sets forth.

Course Structure : This course is divided into nine lessons. Each lesson contains an introduction, objectives for the material in that lesson, reading assignments, web content, homework assignments, discussion questions, and quizzes.

Course Credit Compliance:

This course will be delivered entirely online with the exception of the minimum of one face-to-face (FTF) proctored exam, and a maximum of two FTF proctored exams. This requires the online equivalent of 2250 minutes of instruction (instruction time) and an additional 4500 minutes of supporting activities. As such, you will be required to complete the following online activities during this course (times are approximate):

Instruction Time	
Discussion Postings	700 minutes
Virtual meetings/chat or audio & video	400 minutes
Course Content Facilitation	700 minutes
Writing assignments/assessments/research/group work	300 minutes
Proctored Exam	300 minutes

It is anticipated that students will need to work independently for twice the number of minutes listed above to complete the online activities.

Prerequisites:

- MATH 1101- Math Modeling or MATH 1111 – College Algebra

Course Objectives:

These are the overall course objectives. Upon the completion of this course, students will be expected to

1. Identify the characteristics of various functions such as
   - definition of a function
   - domain and range
   - average rate of change
   - algebraic combinations
   - composition
   - inverse functions
2. Sketch and analyze the graphs of algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.
3. Set up and solve word problems using algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.
4. Solve equations using algebraic, trigonometric, exponential, logarithmic, and inverse trigonometric functions.
5. Demonstrate knowledge of the basic trigonometric identities and formulas.
6. Demonstrate knowledge of basic properties of logarithmic and exponentials functions.
7. Analyze when the use of technology is appropriate and when to apply the technology.

Course Text

eCore has explored cost-reducing options for students and currently offers open source texts for this course. The term *open* implies information or technology that is shared freely without copyright restrictions. The following open source textbooks are linked by chapter throughout the units.

Title	**Precalculus: An Investigation of Functions**
Authors	David Lippman and Melonie Rasmussen

Title	**TI-83 or TI-84 Calculator with computer cable OR TI-83 plus or TI-84 plus**
Additional Information	**The use of a calculator is required for this course:** The information and instructions in this course are designed for and geared towards the Texas Instruments Calculator, TI-83. The calculator tutorial supplied in this course is designed around the TI-83. Support or help from your instructor will not be provided for any other calculator. Therefore, it is in your best interest to make your calculator purchase the TI-83.
Type (Required/Optional)	**REQUIRED**

Materials and Resources:

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Planet eCore

Visit the Planet eCore blog to read about eCore students, faculty, and trends in online education: http://planetecampus.blogspot.com/.

Technical Requirements and Assistance

Requirements:

Having a correctly configured computer will help ensure your success in eCore. Check the information at http://ecore.usg.edu/prospective/techreqs.php to be sure that your computer meets all the necessary technical

requirements for hardware and software. Links to the plug-ins (special free software) that you will need are provided.

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Assistance:

For technical assistance contact the 24/hour helpline at https://d2lhelp.view.usg.edu/ (scroll down to the Student Support area).

In addition, please contact the eCore Helpline at 678-839-5300.

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Discover an Error?

If you discover a typo, broken image, or other error in your eCore course, use the eCore Student Change Request Form to report the required change. Once the form is submitted, an eCore staff member will contact you within 48 hours.

Please note that this form is NOT for grade related or instructor related complaints. To report this type of information, please access the Student Complaint Policy page on the eCore website.

Smarthinking Online Tutoring:

Smarthinking is an online tutoring resource for eCore students providing assistance in Mathematics (basic Math through Calculus), Chemistry, Physics, Statistics, Spanish, and Writing. For login instructions, please refer to the Smarthinking page located within Course Resources or access Smarthinking directly using the SMARTHINKING icon from the course navigation bar.

Grading and Standards

Grade Breakdown

Homework is not to be turned in. However, all exams will be drawn from problems similar to the homework problems. Therefore, it is advantageous for you to work all homework problems.
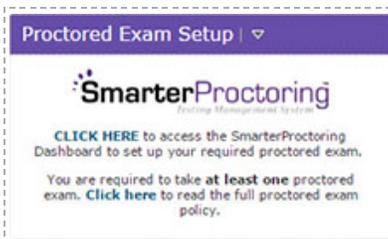
GRADED ACTIVITY	WEIGHT	PROCTORED?	BRIEF DESCRIPTION
Participation/Discussions	5%		You are expected to participate in all required guided and group discussions.
Quizzes	15%		Each unit contains one or more quizzes. These quizzes will be taken online. You should check the Course Calendar to determine the time at which the quizzes will be made available. You have 3 chances to complete each quiz. Any quiz not completed by the deadline will result in a grade of zero.
Online Exam 1	10%		This is a timed exam covering Units 1, 2, & 3 and will be offered online. *This exam is only available on the dates as stated in the course calendar.* You may use your books and notes but not any other person.
Online Exam 2	10%		This is a timed exam covering Units 4 & 5 and will be offered online. *This exam is only available on the dates as stated in the*

			course calendar. You may use your books and notes but not any other person.
Proctored Midterm	20%	YES	This exam covers Units 1, 2, 3, 4, & 5 and will be offered at a proctored site and *may only be taken on the dates as stated in the course calendar*.
Online Exam 3	10%		This is a timed exam covering Units 6 & 7 and will be offered online. *This exam is only available on the dates as stated in the course calendar.* You may use your books and notes but not any other person.
Online Exam 4	10%		This is a timed exam covering Units 8 & 9 and will be offered online. *This exam is only available on the dates as stated in the course calendar.* You may use your books and notes but not any other person.
Proctored Final	20%	YES	This exam covers Units 6, 7, 8, & 9 and will be offered at a proctored site and *may only be taken on the dates as stated in the course calendar*.

Proctored Exams

A proctored experience is required for successful completion of an eCore course. In courses requiring only one proctored exam, failure to take that exam will result in a failing grade for the course regardless of average of other grades.

Proctored Exam Setup | ▽

SmarterProctoring
Testing Management System

CLICK HERE to access the SmarterProctoring Dashboard to set up your required proctored exam.

You are required to take **at least one** proctored exam. **Click here** to read the full proctored exam policy.

Proctored exams are password protected exams taken at an approved testing center or testing service. Students are responsible for scheduling and taking their exams by the posted deadline. Students are also responsible for being aware of the conditions and policies under which the exam will be proctored and administered. Each testing center or service sets its own proctor cost.

On the Course Homepage, use the **Proctored Exam Setup Widget** to view available proctored exams for the course, register for an exam, view an exam's duration, and view the list of allowed proctored material.

Grade Scale

Grades are based on student performance and capability. Simply turning in all the assignments does not guarantee that the student will receive a "good grade." To receive a higher grade, a student must demonstrate proficiency in the material. For different students, gaining that proficiency requires different levels of work, because not all students walk into the class with the same aptitude for the course content. The standards for the respective grades are as follows:

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

Grade Turnaround

All assignments and assessments will be graded within one week's time.

Expectations and Standards

A – To achieve this grade the student must display superior performance in his/her course work. This includes demonstrating the ability to process and comprehend complex ideas, and to be able to convey those ideas to others in a clear, intelligent manner. An "A" student will go beyond simple requirements and seek to excel in his/her preparation for and presentation of assigned work. He/she will demonstrate excellence in communication skills and the ability to contextualize material.

B – To achieve this grade the student needs to display above average performance in his/her course work, including demonstrating the ability to process and comprehend complex ideas, while being able to convey those ideas in a clear, intelligent manner. A "B" student will also go beyond minimum requirements in terms of preparation and presentation of assigned work. He/she will demonstrate above average communication skills and ability to contextualize material.

C – For this grade the student must meet the minimum requirements for the course, displaying adequate performance in his/her course work, and adequately demonstrate the ability to comprehend complex ideas, while also being able to convey those ideas in a like manner. A "C" student demonstrates competence in terms of preparation and presentation of assigned work. He/she will demonstrate adequate communication skills and ability to contextualize materials.

D – A student receiving this grade is performing below the minimum requirements for the course. This could include failure to complete or turn in assignments on a timely basis, or failure to adequately demonstrate the ability to comprehend or convey complex ideas. A "D" student performs below the average in terms of preparation and presentation of assigned work. He/she may not be demonstrating adequate communication skills or ability to contextualize materials.

F – A student receiving this grade has failed to meet the requirements of the course, including failure to complete or turn in assignments, or failure to demonstrate the ability to comprehend or convey complex ideas. An "F" student has not performed in a manner satisfactory to the standards of the class.

Late Policy

Late Assignments: xxxxxxxxxx xxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxxx

Late Quizzes: xxxxxxxxxx xxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxx

Late Discussions: xxxxxxxxxx xxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxx

Late Xxxxxxxx: xxxxxxxxxx xxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxx

Lesson/Unit Breakdown

The following lessons are covered in this course.

Unit 1: Equations

Unit 2: Functions

Unit 3: Polynomial Functions

Unit 4:Rational Functions

Unit 5: Exponential and Logarithmic Functions

Unit 6: Introduction to Trigonometric Functions

Unit 7: Graphs of Trigonometric Functions and Inverse Trigonometric Functions

Unit 8: Analytic Trigonometry

Unit 9: Applications of Trigonometry

Academic Honesty

(Acknowledgment is hereby given to Georgia State University on whose policy this is based).
As members of the academic community, all students are expected to recognize and uphold standards of intellectual and academic integrity. The University System of Georgia assumes as a basic and minimum standard of conduct in academic matters that students be honest and that they submit for credit only the products of their own efforts. Both the ideals of scholarship and the need for fairness require that all dishonest work be rejected as a basis for academic credit. They also require that students refrain from any and all forms of dishonorable or unethical conduct related to their academic work.
In an effort to foster an environment of academic integrity and to prevent academic dishonesty, students are expected to discuss with faculty the expectations regarding course assignments and standards of conduct. In addition, students are encouraged to discuss freely with faculty, academic advisers, and other members of the academic community any questions pertaining to the provisions of this policy.

Definitions and Examples

The examples and definitions given below are intended to clarify the standards by which academic honesty and academically honorable conduct are to be judged.

- Plagiarism
- Cheating on examinations
- Unauthorized Collaboration
- Falsification
- Multiple Submissions
- Evidence and Burden of Proof

The list is merely illustrative of the kinds of infractions that may occur, and it is not intended to be exhaustive. Moreover, the definitions and examples suggest conditions under which unacceptable behavior of the indicated types normally occurs. However, there may be unusual cases that fall outside these conditions that also will be judged unacceptable by the academic community.

Plagiarism

(NOTE: Plagiarism detection systems are often used by eCore faculty members. For example, see the following site: http://turnitin.com/en_us/training/student-training. Faculty are also advised to report violations to the eCore Administrative offices for investigation.)

Plagiarism is presenting another person's work as one's own. Plagiarism includes any paraphrasing or summarizing of the works of another person without acknowledgment, including the submitting of another student's work as one's own. Plagiarism frequently involves a failure to acknowledge in the text, notes, or footnotes the quotation of the paragraphs, sentences, or even a few phrases written or spoken by someone else.

The submission of research or completed papers or projects by someone else is plagiarism, as is the unacknowledged use of research sources gathered by someone else when that use is specifically forbidden by the instructor. Failure to indicate the extent and nature of one's reliance on other sources is also a form of plagiarism.

Finally, there may be forms of plagiarism that are unique to an individual discipline or course, examples of which should be provided in advance by the instructor. The student is responsible for understanding the legitimate use of sources, the appropriate ways of acknowledging academic, scholarly, or creative indebtedness, and the consequences of violating this responsibility.

Cheating on Examinations

Cheating on examinations involves giving or receiving unauthorized help before, during, or after an examination. Examples of unauthorized help include the use of notes, texts, "crib sheets," websites, electronic documents or notes, and computer programs during an examination (unless specifically approved by the instructor), or sharing information with another student during an examination (unless specifically approved by the instructor). Other examples include intentionally allowing another student to view one's own examination and forbidden collaboration before or after an examination.

Unauthorized Collaboration

Submission for academic credit of a work product, developed in substantial collaboration with other person or source but represented as one's own effort, is unauthorized. Seeking and providing such assistance is a violation of academic honesty. However,

collaborative work specifically authorized by an instructor is allowed.

Falsification

It is a violation of academic honesty to misrepresent material or fabricate information in an academic exercise, assignment or proceeding. Some examples of falsification are:

- false or misleading citation of sources
- the falsification of the results of experiments or of computer data
- false or misleading information in an academic context in order to gain an unfair advantage.

Multiple Submissions

It is a violation of academic honesty to submit substantial portions of the same work for credit more than once without the explicit consent of the instructor(s) to whom the material is submitted for additional credit. In cases in which there is a natural development of research or knowledge in a sequence of courses, use of prior work may be desirable, or required. However, the student is responsible for indicating in writing, that the current work submitted for credit is cumulative in nature.

Evidence and Burden of Proof

In determining whether or not academic dishonesty has occurred, guilt must be proven by a preponderance of the evidence. This means that if the evidence that academic dishonesty occurred produces a stronger impression and is more convincing compared to opposing evidence, then academic dishonesty has been proven. In other words, the evidence does not have to be enough to free the mind from a reasonable doubt but must be sufficient to incline a reasonable and impartial mind to one side of the issue rather than to the other. Evidence, as used in this statement, can be any observation, admission, statement, or document that would either directly or circumstantially indicate that academic dishonesty has occurred. Electronic means may be used to monitor student work for the inappropriate use of the work of others.

Consult your eCore Student Guide at https://ecore.usg.https://ecore.usg.edu/current-students/student-guide/policies-and-procedures#student-academic-dishonesty-procedures/students/guide/index.php for further details on the eCore Academic Honesty Policy.