Course Change Request

New Course Proposal

Date Submitted: 08/18/22 9:54 am

Viewing: MATH 103T : Precalculus

Last edit: 08/18/22 9:54 am

Changes proposed by: jbazaz

In Workflow

1. **MATH Chair**
2. **SC Curriculum Committee**
3. SC Associate Dean
4. Registrar-Courses
5. Banner

Approval Path

1. 08/18/22 12:10 pm Maria Emelianenko (memelian): Approved for MATH Chair

Are you completing this form on someone else's behalf?

Yes

Requestor:

Name	Extension	Email
Catherine Sausville	1460	csausvil@gmu.edu

Effective Term: Fall 2022

Subject Code: MATH - Mathematics

Course Number: 103T

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Precalculus

Banner Title: Precalculus

Will section titles vary by semester? No

Credits: 2

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

Repeatable: May be only taken once for credit, limited to 3 attempts (N3)

Max Allowable Credits: 6

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):
An AP Precalculus score of 3

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Level(s):

Degree(s):

School(s):

Catalog Description:
This course is only for transfer purposes, it will not be taught.

Justification:
What: Creating a new precalculus course.

Why: This course will not be taught (as such, a syllabus hasn't been created. Attached is a syllabus for a

student's potential subsequent course, MATH 105). It is being created to ensure that transfer students who receive an AP precalculus score of 3 receive some transferrable credit, but simultaneously informs students and advisors that an additional MATH course will be required in order to complete an Introductory Calculus sequence. This addresses an ADVANCE issue with transferring VCCS MTH 161.

Does this course cover material which crosses into another department? No

Learning Outcomes:

Attach Syllabus

Math 105 - Sausville - Summer 2022.pdf

Additional Attachments

Staffing:

None- the course will not be taught, it is for transfer purposes.

Relationship to Existing Programs:

None.

Relationship to Existing Courses:

MATH 103T is a precalculus course that should be followed by MATH 104, 105, 108, or 125.

Additional Comments:

Math- please correct my understanding in the "Justification" section (or any other section) as needed.

Thanks! Jen

Reviewer Comments

Key: 17899

Prof. Sausville **MATH 103T: Precalculus** **Summer 2022**

INSTRUCTOR

Catherine Sausville *Email:* csausvil@gmu.edu
Exploratory Hall - 4418

ONLINE OFFICE HOURS

Since everyone has strange hours over the summer, office hours will primarily be held by appointment. I will be conducting problem sessions at different times each week and will post those as they come up. Please email me for online appointments.

https://gmu.zoom.us/j/98693414184

TEXTBOOK

The textbook is *Precalculus*, 1^{st} edition, by Miller and Gerken. You will also need a student access code for ALEKS which is available in the bookstore.

PREREQUISITE

You must have either passed the Math Placement Exam or completed the Self-paced Algebra Tutorial, Math 008 in order to add the course.

MATERIAL TO BE COVERED

Generally, Chapters 1-6 in the textbook, including: Algebra review, Polynomial, Rational, Exponential and Logarithmic Functions, and Trigonometry.
The pace of the course is very fast. A comfortable working knowledge of algebra is assumed. The demands of the course will require a serious time commitment. You are encouraged to sign on to Blackboard multiple times throughout the week so that you do not get behind.

NATURE OF COURSE DELIVERY

All course materials and activities will be held online. The lecture portion of this course will be delivered asynchronously using the following tools:

- Textbook
- Internet based activities and problem solving
- Publisher provided videos and activities

Students may ask questions about the material in a variety of ways. Email is a very good way to get a quick response to questions, and I try to answer emails as soon as I get them. I am also willing to set up online office hours using BlackBoard Collaborate if there are requests for this from students. If a Collaborate session is scheduled, I will post the date and time on the announcements page so that other students may also join. Please to not hesitate to ask for help or the schedule office hours, either in-person or online.

CALCULATORS

Because this course is designed as preparation for the Calculus 113-114 sequence, one of its primary goals is to help students acquire competence with basic algebraic and functional concepts and relationships. Accordingly, we will use calculators sparingly. I encourage you to attempt all homework problems without calculators, though some questions may require one. You are required to show all work for written assignments. While the calculator may be able to provide you with the correct answer, it is your responsibility to be able to provide the required work.

REQUIRED TECHNOLOGY

We will be using the online learning system ALEKS. To sign up, please go to the BlackBoard course and click the link on the left for ALEKS. Once in the ALEKS tab click the link that says "ALEKS". This will take you to the registration page for ALEKS. Create an account and complete the initial knowledge check. You will want to make sure to have paper and something to write with to complete this. Make sure you have set aside time and are in a quiet, distraction free place.

You are required to have signed up for ALEKS by Friday, May 27.

This course uses BlackBoard as the learning management system. You will need a browser and operating system that are listed compatible or certified with the BlackBoard version available on the myMason Portal. Log in to MyMason at mymason.gmu.edu to access this course.

We will be primarily using Gradescope for all written assignments. More details on uploading assignments to Gradescope are provided on Blackboard.

You will need a working internet connection and a computer with a webcam for exams.

Course Grades

Your final grade will be calculated as follows:

ALEKS Weekly Assignments	20%
Worksheets	10%
Quizzes	15%
Tests (15% each)	30%
Final Exam	25%

Assignments & Quizzes

You must complete each weekly learning unit by reading the textbook, watching any online videos and completing the pie on ALEKS. The week begins on Monday and will end the following Sunday. Assignments will be due throughout the week.

One thing that makes ALEKS unique is the ALEKS Pie. As you complete assignments, problems in the pie, knowledge checks and quizzes, the Pie will adapt to the content that you have mastered. There are due dates assigned to particular objectives (based on chapters in the textbook) so you will want to keep up with the assignments. You should be spending 1-2 hours on this class EVERY DAY and a lot of this time will be spent on working through the pie.

There will also be weekly worksheets posted on Blackboard. These will be hand written worksheets, that you will be expected to upload back into Gradescope for credit. The uploaded files must be in PDF format in order to be counted for credit. The worksheets are usually graded on completion, but the point is to make sure that you are understanding the concepts and can convey them to someone else. All work must be shown on the worksheets to receive full credit. You are encouraged to work these problems with minimal help from the textbook or online resources.

There will be weekly quizzes assigned. These quizzes will open at Saturday morning and will have a due date of Sunday at 11:59pm. ****On exam weeks, the quizzes will be open on Thursday and due on Friday.** The material for each quiz will contain material from that week, but can also contain random questions about material that has already been covered. Do not be shocked to see questions from past weeks. No late quizzes will be accepted and no quizzes will be dropped.

Tests & Final Exam

There are 2 tests scheduled in this class. It is expected that students will take the tests in a proctored environment, whether on campus or remotely. There will be no make-up exams available. Details for signing up for exam times will be posted on Blackboard.

Test 1	June 17
Test 2	July 20
Final Exam	July 28-29

This is the tentative schedule of the tests, any changes will be announced in class or on Blackboard. The final exam will be cumulative.

You must bring a photo ID to each exam. If your picture is faded or cracked the ID will not be accepted.

Honor Code

THIS IS IMPORTANT. It is expected that each student in this class will conduct himself or herself within the guidelines of the Honor Code. Among other things, this means that sharing information of any kind about exams or quizzes (either before or during the exam) will result, at a minimum, in a grade of zero for all parties involved. See academicintegrity.gmu.edu for a copy of the Honor Code. The right is reserved to check a picture identification during any of the exams.

Students are not to discuss any assignment with anyone other than the professor unless explicitly stated on the assignment instructions. Consulting any online resources that are not approved is a violation of the Honor Code. If there is suspicion of academic dishonesty, the student will be referred to the Office of Academic Integrity with a sanction of failing the assignment and/or the course.

Obtaining Help

There are many outlets available for you to get help in this class. This is an online, 4-credit math course and will require 8-12 hours of work per week. I am very happy answer questions over email or to schedule appointments for online office hours. **The Math Tutoring Center, offers free tutoring to Math 105 students.** They are currently working both in person and online and I highly recommend utilizing this resource. The schedule of the tutoring center can be found at http://math.gmu.edu/tutorcenter.htm.

Accommodations

If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Services. All academic accommodations must be arranged through that office. Office of Disability Services Student Union Building I (SUB I), Room 4205 Phone: 703.993.2474

E-mail & Blackboard

E-mail is an effective form of communication outside the classroom. I frequently send announcements through email so make sure that you activate and check your GMU email account regularly. **All students are required to use their George Mason email for communication and for ALEKS.** Please put Math 105 in the subject field anytime you send me an e-mail. If you want to discuss your grade via e-mail it *must* be done using your GMU e-mail account. I will be using Blackboard 9.1 in this class to post class announcements, grades and other important information pertaining to the class. You can access this by going to mymason.gmu.edu and logging in using your NetID.