



MATH 105 Precalculus
Section 003
Fall 2021

Tuesday/Thursday 8:30 am - 10:20 am
1006 David King Jr. Hall

Instructor Information:

▶ Mrs. Pam Yusko

- ▶ **E-mail:** pyusko@gmu.edu
- ▶ **Mathematical Sciences Department:** 703-993-1460
- ▶ **Office:** 4407 Exploratory Hall
- ▶ **Office Hours:** Monday/Wednesday 10:45 am – 12:00 pm
Tuesday 12:00 pm – 1:00 pm

(You may schedule an appointment, if these hours are not convenient.)

- ▶ **Zoom Office Hours:** Send an email to schedule online office hours.

Mrs. Pam Yusko's Schedule

| | Monday | Tuesday | Wednesday | Thursday | Friday |
|--|---|--|---|---|---------------------------------|
| 8:30 - 10:20 | MATH 105 (001) 1006 David King Hall | MATH 105 (003) 1006 David King Hall | MATH 105 (001) 1006 David King Hall | MATH 105 (003) 1006 David King Hall | |
| E-mail me to schedule more convenient online office hours. | Office Hours 10:45 - 12:00 Exploratory Hall 4407 | | Office Hours 10:45 - 12:00 Exploratory Hall 4407 | | |
| 10:30 - 11:45 | | MATH 271 (002) 1113 Peterson Hall | | MATH 271 (002) 1113 Peterson Hall | |
| | | Office Hours 12:00 - 1:00 Exploratory Hall 4407 | | | |
| | MATH 111 (DH1) Self-paced | MATH 111 (DH1) Self-paced | MATH 111 (DH1) Self-paced | MATH 111 (DH1) Self-paced | MATH 111 (DH1) Self-paced |

MATH 105 Precalculus

Description:

Reviews mathematics skills essential to studying calculus. Topics include equations, inequalities, absolute values, graphs, functions, exponential and logarithmic functions, and trigonometry. Notes: Call Mathematical Sciences Department at 703-993-1460 for details. May not be used as credit toward BA or BS in mathematical sciences. This course does not satisfy the university's quantitative reasoning requirement for the BA degree. May not be taken for credit after receiving grade of C or better in any MATH course numbered 113 or higher. Offered by Mathematics. Limited to three attempts.

Prerequisite:

You must have either passed the Math Placement Exam or completed the Self-paced Algebra Tutorial

ALEKS e-Textbook and Software (ALEKS link is on Blackboard)



e-Textbook:

PRECALCULUS-ALEKS 360(18 WEEKS)
By Miller Edition 17

Class Code: **YKQXG-UXAKJ**

Financial Aid Code: **0EC50-F12FB-3C321-76CAC**



Required Supporting Software for homework and e-textbook:

How to Sign Up for a New ALEKS Account or An Existing Account

Go to Blackboard

1. Go to Blackboard MATH 105-003 and click on the “ALEKS Link”
2. Click on “Sign Up New Member”
3. Enter the Class Code **YKQXG-UXAKJ** AND press “Continue”
4. Confirm Class Information – press “Confirm”
5. Welcome to ALEKS – press “No, I have never used ALEKS before” or “Yes, I have an ALEKS login name” and press “Continue”
6. Registration – Complete the information and Check “I agree” and press “Continue”
7. Login Information – press “Continue”
8. Apply Access - check “No, I need to purchase an access code” (if you have not purchased a code and want to purchase it now) or check “Yes, I have an access code” (if you have already purchased one from the bookstore) or **If you are waiting for financial aid and need two weeks free until you can purchase it, check “Yes, I have an access code and enter OEC50-F12FB-3C321-76CAC and press “Continue”**
9. Purchase an Access Code – Choose your Access Length “18 week (1 semester)” and choose Your Course Type for PreCalculus “ALEKS 360”, then press “Continue”
10. Your Registration – Complete your Email Address, Tell us about your school, Billing Information, press “I Accept” and Press “Review Order”
11. Secured Payment Information
12. You are ready to begin your Initial Knowledge Check

ALEKS - Initial Knowledge Check

The Initial Knowledge Check will determine how many objectives you must complete on ALEKS during the semester. The more you remember the fewer objectives you will need to complete. It is similar to a placement test to determine how much you remember from your previous math classes

It is very important to take this seriously!!!

Give yourself 2 – 3 hours to complete the Initial Knowledge Check in a quiet place where you are able to focus.

Calculator and Other Required Materials

Calculator:

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. **Graphing, CAS capable calculators, Geogebra, and Desmos will NOT be permitted, the recommended calculator is a Scientific Calculator TI-30XIIS.**

Required Materials:

- *pencils and erasers.
 - *Printer to print “Blank Class Notes” found in Blackboard to bring to class
 - *3-ring binder for notes
- OR
- *A tablet/computer to open the “Blank Class Notes” and take notes in class

Suggested Class Materials:

- *A webcam on your computer or phone with a microphone for ZOOM Office Hours.



Class Grading Scale

Your grade will be calculated out of 100%

10% Homework Assignments + 40% Quizzes + 30% Exams + 20% Final Exam = 100% Class Grade

The grading scale is:

- A = 90% - 100%
- B = 80% - 89%
- C = 70% - 79%
- D = 60% - 69%
- F = Below 60% (Also for Cheating)
- I = Incomplete
- W = Withdrawal (A reward of W after the last day to withdraw without grade penalty requires official documentation and the Dean's signature.)
- *+ or - will be attached (if applicable) to the grades that occur in the lower or upper 2 points of each category.*

| Dates | Last Day to Add | Last Day to Drop with 100% Refund | Final Drop Deadline (50% Refund) | Unrestricted Withdraw Period (Full Tuition Liability) | Selective Withdraw Period (Full Tuition Liability) |
|--------------|-----------------|-----------------------------------|----------------------------------|---|--|
| 8/23 - 12/15 | 8/30 | 9/7 | 9/14 | 9/15 - 9/27 | 9/28 - 10/27 |

Attendance Policy:

- ▶ Classes will be in person.
- ▶ Attendance is not taken; however it is beneficial to attend.
- ▶ Please be on time and stay until the end of class!
- ▶ If you must be absent, refer to Blackboard for missed assignments and notes; or contact a classmate to receive any missed assignments.
- ▶ You will be held responsible for all missed material.

Homework Objectives:



Homework Objectives will be done on ALEKS (10% of grade).

- ❑ The objectives on ALEKS are meant to help you achieve the learning objectives covered in class. These problems count as 10% of your grade and can be done over and over again until you master the material. (If you do not understand them, please arrange for help during my office hours or the GMU tutoring center.)
- ❑ *Homework will be due approximately a week from the date it is assigned, but you should try it before the next class in order to understand new material that builds upon it.*
- ❑ It is also important to do the homework on ALEKS to become familiar with the program and how it works in order to take the quizzes and exams.

Homework will be graded, and is essential to your success.

Quizzes will contain similar material from the homework objectives.

The more you practice have the more likely you will succeed.

You should spend about an average of 8 to 12 hours per week doing work outside of class (3 hours X the number of credits).

Quizzes:

There will be weekly quizzes (40% of your grade).

- The quizzes will contain problems similar to the homework objectives.
- You will take the quizzes on ALEKS.
- The quizzes may be taken twice before the due date. (You will only retake the questions that you missed.)
- There are NO MAKEUP quizzes. The quizzes will be available every week between Friday and Sunday. The last chance to take it will be by Sunday 11:59 pm.
- If you would like to take a quiz earlier, email me and I will open it for you.

Regular Exams:

There are Three Regular Exams (30% of Grade)

- The exams will contain material from the homework objectives and quiz problems.
- Each exam is worth 50 points and will be completed on ALEKS and IN CLASS.
 1. **ALEKS EXAM** - There will be problems done on ALEKS similar to objectives and quiz questions. The ALEKS exams will have 30 - 35 questions and must be completed in $1\frac{1}{2}$ or $1\frac{3}{4}$ hours.
 2. **IN CLASS EXAM** - Graphing problems will be completed during class.
- You may make a sheet of helpful formulas to use on ALEKS.
- **There are no makeup Exams.** You will receive a 0. For a student who misses an exam and provides a documented reason for the absence, the instructor will replace one exam score with your final exam score. (If more than one is missed, only one score will be replaced.) Documented absences may require written third party evidence and/or notification to the instructor by email.
- If you know you will be absent for an exam, please make arrangements beforehand.

Final Exam

The Final Exam is Cumulative (20% of grade).

- The final exam is cumulative and you will have 2 hours and 45 minutes to complete.
- The format will be explained as the date approaches.
- You may create one 8X10 sheet of paper (both sides) with important formulas.
- Final Exam: **Tuesday, December 14th 7:30 am - 10:10 am**

Precalculus Top Things to Remember

1. Read your GMU emails and check Blackboard on a regular basis for announcements.
2. Include your name, MATH 105-003, and reason in the subject line of your emails.
3. Prepare for class by reading over your notes, reading the e-textbook, and doing the homework.
4. Come to class on time with your homework completed.
5. Find a quiet place with no distractions to do your work and attend class.
6. Silence phones during class and keep them out of sight.
7. Work hard and invest the time needed to be successful.
8. Practice! Practice! Practice!
9. Don't be afraid to get HELP!
10. YOU are responsible for the choices you make regarding your success in this class!
11. Extra credit will be given.



Important Dates to Remember

| Description | Date |
|--|--|
| First Day of Class for MATH 105 | Monday, August 23rd |
| Last Day to Drop with 100% Refund | Monday, August 30 |
| Last Day to Drop (Last Day for 50% Refund) | Tuesday, September 14 |
| Unrestricted Withdrawal Period | Wednesday, Sept. 15 - Monday, Sept. 27 |
| <u>Selective Withdrawal Period</u> - Undergraduate Students Only (100% tuition liability) | Tuesday, Sept. 28 - Wednesday, Oct. 27 |
| Last Day of Class | Wednesday, December 15 |
| Final Exam | Tuesday, December 14 th |
| | |

Need Help?



Try the following:

1. Come and visit the instructor during office hours or schedule an appointment.
2. Look online in ALEKS for online help and examples.
3. Get help from the Math Tutoring Center
<https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and>
4. Look on YouTube
5. Ask a classmate.

MATH TUTORING CENTER

<https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and>

Class Policies

- ▶ **Follow all direction.**

All rules, policies, and regulations will be applied equally and fairly to all students.

- ▶ **Be on time for class.**

Class starts promptly so be ready with all necessary materials for class...blank class notes, pencils, calculators, etc...

- ▶ **Homework and Quizzes must be completed on time.**

- ▶ **Phones must be silenced and put away during class (not visible).**

- ▶ **Please show all work neatly and organized with the problems numbered.**

- ▶ **Communication via email or Blackboard is encouraged.**

*The instructor will try to reply to email within 24 hours during the work week Monday - Friday at 3:00 pm. If you email over the weekend, the instructor will try to respond by noon on Monday.

*Email the instructor if you plan on being absent from class.

***Include your name and MATH 105-003 and reason in your emails.**

- ▶ **No Cheating!!!**

If you are caught cheating on a test or exam or if you are caught violating the Honor Policy, then you will automatically fail the class with an "F" grade.

The instructor will report you to the college according to official college policies and rules for further disciplinary action.



Honor Code and Academic Integrity

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. Internet capable devices and other electronics are not allowed to be used or within your sight during exams. This includes but is not limited to calculators, computers, cell phones, tablets and smart watches. Any of these must be turned off and put away BEFORE an exam starts. Calculators may be used on the homework or homework if necessary, but students are not to work with anyone else on quizzes.

<https://oai.gmu.edu/mason-honor-code/>

COLLEGIATE COMPASION

*I believe we learn best when we can show up as whole and healthy people. To learn effectively we need to have basic security: a roof over our head, a safe place to sleep, a stable place to live, and enough food to eat. If you are struggling to meet any of these basic needs please talk to me, visit our campus food pantry <https://ssac.gmu.edu/patriot-pantry/> or reach out to other Mason resources <https://learningservices.gmu.edu/campus-resources/>. Remember, asking for assistance and advocating for yourself is an important part of your collegiate experience. I am here to help, and **YOU** are not alone.*

ACCOMODATIONS

If you are a student with a disability and you need academic accommodations, please contact the Office of Disability Services. All academic accommodations must be arranged through that office.

I will need the form from Disability Services emailed to me ASAP.

Office of Disability Services

Student Union Building I (SUB I), Room 4205

Phone: 703.993.2474.

<https://ds.gmu.edu/>

DIVERSITY AT MASON

<https://www2.gmu.edu/about-mason/diversity-mason>

ANTI-RACISM RESOURCES

- ▶ In an effort to protect the health of our students and our staff, we offer all counseling and crisis services virtually at this time. We also offer Virtual Mental Health Workshops and Virtual Academic Success Workshops. Please see our COVID-19 page for resources on how to cope and to read our statement on COVID-19 and discrimination.
- ▶ If you wish to speak with a counselor between 8:30am-5:00pm (Monday-Friday), please call the CAPS office at 703-993-2380 and our staff will gladly connect you with a counselor over the phone.
- ▶ For mental health crises outside of business hours, please call CAPS at 703-993-2380, select option 1, to connect with an after-hours crisis counselor. For emergencies, please call 911 or go to your nearest emergency room.
- ▶ <https://caps.gmu.edu/>

Lesbian, Gay,
Bisexual,
Transgender,
Queer, and
Questioning
Resources

<https://lgbtq.gmu.edu/>

MORE STUDENT
SUPPORT
THROUGH
STEARNS CENTER

<https://stearnscenter.gmu.edu/knowledge-center/student-support-resources/>

RELIGIOUS HOLIDAY CALENDAR

<https://ulife.gmu.edu/religious-holiday-calendar/>

MULTILINGUAL ASSISTANCE

<https://stearnscenter.gmu.edu/knowledge-center/student-engagement-classroom-management/teaching-multilingual-learners/>

GMU ACADEMIC CALENDAR

<https://www2.gmu.edu/academic-calendar#>

GMU UNIVERSITY CATALOG

- ▶ For any information for the 2020-2021 school year, please refer to the University Catalog.
- ▶ <https://catalog.gmu.edu/>

*In our class, we are tolerant of all people
and the differences that make us all unique.*

ACCEPTANCE



TOLERANCE

THERE

is a

difference

BETWEEN

not knowing

AND

NOT KNOWING

YET.