MATH 105 - DL1, Fall 2022
PRECALCULUS
ONLINE LECTURES

Instructor: Sarah Khankan, Ph.D.

Email: skhankan@gmu.edu
Office: Exploratory Hall Room 4417
Office Hours: W 1:30 pm - 2:30 pm or by appointment (in office).
Online office hours: M W 10:00 am - 11:00 am on Blackboard Collaborate.

Learning Assistant: Sandhya Kuruganty, skurugan@gmu.edu
Office Hours: F 11:30 am - 12:45 pm in Exploratory 4208
Online office hours: M 7:30 pm - 8:30 pm and W 12 pm - 1 pm on zoom (you can access the LA zoom page through the course Blackboard left menu).
Solving sessions: will be recorded and posted weekly on Blackboard.

Credit Hours: 3

Text(s): The textbook is Precalculus, 1st edition, by Miller and Gerken. You will also need a student access code for ALEKS which is available in the bookstore or by following the ALEKS link on Blackboard.

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

Broad purpose of the course: 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.

Disability statement: If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Resources at 703.993.2474. All academic accommodations must be arranged through that office.

Tutoring Center: The Math Tutoring Center will be offering tutoring services to stu-

dents currently enrolled in undergraduate Math courses at GMU. For hours and more info: https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and

Online Exams:

- Exam 1: 09/16 - 9/18, IN EXPLORATORY 4107, multiple time options provided

- Exam 2: 10/14 - 10/16, IN EXPLORATORY 4107, multiple time options provided

- Exam 3: 11/18 - 11/20, IN EXPLORATORY 4107, multiple time options provided

- Final Exam: 12/07/2022 - 12/09/2022, IN EXPLORATORY 4107, multiple time options provided

Grade Distribution:

ALEKS Assignments	20%
Quizzes	15%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Final Exam	20%

Homework: Homework will be assigned on ALEKS for each section. Completing the homework assignment is the minimum of work you should be doing outside of class. Homework will be graded, and completing it is essential to passing the course. **Watching the section videos of the text related to the problems will always be part of the homework assignment**.

Quizzes: Quizzes are scheduled every week on ALEKS. You can find a detailed quiz and exam schedule on the last page of this syllabus.

Course Policies:

- Short videos of lectures and examples will be posted on ALEKS every week.

- Weekly expectations will be posted on blackboard, containing all the work due for the week.

- No makeup exams/quizzes will be given.

- No late assignments will be accepted under any circumstances.

- Assignments: Students are expected to work independently. Discussion amongst students is encouraged, but when in doubt, direct your questions to the professor or LA.

- Students are responsible for all missed work, regardless of the reason for absence. All class related notes will be posted on Blackboard.

- Doing well in this class implies: watching all the posted ALEKS videos, repeating the examples we solve in class and during the recorded solving sessions, working on the assigned homework from each section, completing the quizzes on time and reaching out for help as soon as you need it.

How to get help in this class:

- Course inctructor: join my in-person and online office hours. You can reach me via email; you should receive an email back from me typically within 24 hours. I try not to check my email during the weekend.

- Course Learning Assistant: join Sandhya's in-person and online office hours. You can reach her via email; please keep in mind that Sandhya has also her own classes to take care of.

- Math Tutoring Center: The Math Tutoring Center will be offering online tutoring services to students currently enrolled in undergraduate Math courses at GMU. For hours and more info: https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and

Tentative Course Outline:
The weekly coverage might change as it depends on the progress of the class.

Week	Sections covered
1 (week of 08/22)	1.1
2 (week of 08/29)	1.3, 1.4, 1.6
3 (week of 09/05)	Labor Day, 1.7, 1.8, 2.1
4 (week of 09/12)	2.2, 2.3, 2.4, EXAM 1
5 (week of 09/19)	2.5, 2.6
6 (week of 09/26)	3.1, 3.2, 3.3
7 week of 10/03	3.4, 3.5
8 (week of 10/10)	3.6, 1.2, EXAM 2
9 (week of 10/17)	4.1, 4.2
10 (week of 10/24)	4.3, 4.4
11 (week of 10/31)	4.5, 4.6, 4.7
12 (week 11/07)	5.1, 5.2
13 (week 11/14)	5.3, 5.5, 6.1, EXAM 3
14 (week of 11/21)	6.2, 6.3, Thanksgiving Break
15 (week of 11/28)	

Assessment	Material covered	Date
Quiz 1	1.1	8/30
Quiz 2	1.3, 1.4, 1.6	9/02
Quiz 3	1.7, 1.8, 2.1	9/09
Quiz 4	2.2, 2.3, 2.4	9/15
EXAM 1	1.1, 1.3, 1.4, 1.6, 1.7, 1.8, 2.1, 2.2, 2.3, 2.4	9/16 - 9/18
Quiz 5	2.5, 2.6	9/23
Quiz 6	3.4, 3.5	10/07
Quiz 8	3.6, 1.2	10/13
EXAM 2	2.5, 2.6, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 1.2	10/14 - 10/16
Quiz 9	4.1, 4.2	10/21
Quiz 10	4.3, 4.4	10/28
Quiz 11	4.5, 4.6, 4.7, 4.4	11/04
Quiz 12	5.1, 5.2	11/11
Quiz 13	5.3, 5.5, 6.1	11/17
EXAM 3	4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 5.1, 5.2, 5.3, 5.5, 6.1	11/18 - 11/20
Quiz 14	6.2, 6.3	12/02
FINAL EXAM	Cumulative	12/07 - 12/09