

Course Syllabus

Math 105-D01

M/W/F 10:30am-12:30pm, Horizon 3010

Instructor/Office Hours: Maddy Sherwood (she/her), psherwoo@gmu.edu.

Office hours: M/W immediately following class, from 12:45-1:45pm in Exploratory Hall 4311, or online by appointment.

Textbook: *Precalculus, 2nd edition*, by Miller and Gerken. You will need a student access code for ALEKS, which is available for purchase through the university bookstore.

Content: Topics include equations, inequalities, absolute values, graphs, functions, exponential and logarithmic functions, and trigonometry. This will cover most of Chapters 1-6. You must have passed the math placement exam, or alternately completed Math 008. This course is intended as a prerequisite course to Calculus 1, Math 113.

Technology: The online learning system ALEKS is required for this course to complete weekly homework assignments and quizzes outside of class, so regular access to the internet is required. We will use calculators sparingly to prepare ourselves for the Calculus course sequence.

Grade Breakdown:

Quizzes	Weekly on ALEKS	20%
Homeworks	Weekly on ALEKS	10%
Participation	Exit Tickets and Worksheets	10%
Exams	Chpt 1, 6/7; Chpt 2&3, 6/28; Chpt 3&4, 7/19	30% (10% each)
Final Exam	Cumulative, 7/28	30%

A	A-	B+	B	B-	C+	C	C-	D
93+	90-92.9	87-92.9	83-86.9	80-82.9	77-79.9	73-76.9	70-72.9	<69.9

- Quizzes open on Saturday at midnight and close on Tuesday at 11:59pm, covering the previous week's materials. For example, on June 9th (Week 3) we will finish covering sections 2.1, 2.2, and 2.3. Quiz 3 will open June 10th at midnight and will be due June 13th at 11:59pm. Quizzes will comprise of 10 mixed questions from the available sections. The lowest quiz grade will be dropped in calculating final grades. As such, there are no make-up quizzes.
- Homework assignments are open the week we are covering that material. For example, the assignment for sections 2.1, 2.2, and 2.3 will be open from June 5th at midnight until Sunday night, June 11th, at 11:59pm. No late homework will be accepted.
- Exit tickets are given twice weekly and are graded out of 2 points: 1 point for participation, 1 point for correctness. Worksheets are given on Fridays in weeks we do not have exams: they are to be completed in small groups and turned in at the end of class, graded out of 10 points for correctness. Partial credit will be given for appropriate work shown.

- Exams will take place in class in the first hour of class time in the regular classroom. No calculators are allowed. Make-up exams are administered on a case-by-case basis, and it is the student's responsibility to contact the instructor should this be needed. There are no make-up exams available for the final exam, which will take place on Friday, July 28th, from 10:30am-1:15pm in the regular classroom.

Honor Code: Mason is an Honor Code university; please see the Office for Academic Integrity for a full description of the code and the honor committee process. You are encouraged to work with other students both in and out of class, but your work must be your own unless group work is specified. The use of online resources outside of ALEKS and the textbook to solve problems on graded assignments is not tolerated. When in doubt, please ask for clarification.

Accommodations: Disability Services at George Mason University is committed to providing equitable access to learning opportunities for all students by upholding the laws that ensure equal treatment of people with disabilities. If you are seeking accommodations for this class, please first visit <http://ds.gmu.edu/> for detailed information about the Disability Services registration process. Then please discuss your approved accommodations with me. Disability Services is located in Student Union Building I (SUB I), Suite 2500. Email:ods@gmu.edu — Phone: (703) 993-2474

Tutoring Center: The math tutoring center is open during the summer terms, you can find more information here:

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

Course Schedule

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This schedule is tentative and subject to change as the semester progresses.

Students will be notified via Blackboard of any changes made.

Week	Dates	Topics and Materials
1	May 22nd-28th	§1.1, 1.3, 1.4. Recorded lecture posted on Friday: no in-person class! Homework for 1.1, 1.3, 1.4 due 5/29 11:59pm
2	May 29th-June 4th	§1.6, 1.7, 1.8. No class Monday 5/29 Homework for 1.6, 1.7, 1.8 due 6/4 11:59pm Quiz 1 on ALEKS, due 5/30 11:59pm
3	June 5th-11th	§2.1, 2.2, 2.3. Homework for 2.1, 2.2, 2.3 due 6/11 11:59pm Quiz 2 on ALEKS, due 6/6 11:59pm Exam 1 on Wednesday 6/7
4	June 12th-18th	§2.4, 2.5, 2.6. Homework for 2.4, 2.5, 2.6 due 6/18 11:59pm Quiz 3 on ALEKS, due 6/13 11:59pm.
5	June 19th-25th	§3.1, 3.2, 3.3, 3.4. No class Monday 6/19 Homework for 3.1, 3.2, 3.3, 3.4 due 6/25 11:59pm Quiz 4 on ALEKS, due 6/20 11:59pm
6	June 26th-July 2nd	§3.5, 3.6, 1.2, 4.1. Homework for 3.5, 3.6, 1.2, 4.1 due 7/2 11:59pm Quiz 5 on ALEKS, due 6/27 11:59pm Exam 2 on Wednesday 6/28
7	July 3rd-9th	§4.2, 4.3, 4.4, 4.5. Homework for 4.2, 4.3, 4.4, 4.5 due 7/9 11:59pm Quiz 6 on ALEKS, due 7/4 11:59pm.
8	July 10th-16th	§4.6, 4.7, 5.1. Homework for 4.6, 4.7, 5.1 due 7/16 11:59pm Quiz 7 on ALEKS, due 7/11 11:59pm
9	July 17th-23rd	§5.2, 5.3, 5.5, 6.1. Homework for 5.2, 5.3, 5.5, 6.1 due 7/23 11:59pm Quiz 8 on ALEKS, due 7/18 11:59pm. Exam 3 on Wednesday 7/19
10	July 24th-28th	§6.2, 6.3. Homework for 6.2, 6.3 due 7/26 11:59pm Quiz 9 on ALEKS, due 7/25 11:59pm. Final Exam on Friday 7/28, 10:30am-1:15pm