

Math 126: Precalculus I

Mathematics and Statistics Department, University of Nevada, Reno
Section 1003, TuTh 10:30-11:45am, SLH 1
Fall 2017

INSTRUCTOR INFORMATION

Instructor: Adrienne Petersen
Email: arpetersen@unr.edu
Website: www.arpetersen.com
Office: DMS 233
Office Hours: Tuesday Thursday 12pm-2pm

REQUIRED MATERIALS

Textbook: "Precalculus" 10th Edition by Sullivan (Also available online at www.MyMathLab.com)
Calculator: Scientific calculator and knowledge of operating calculator

COURSE DESCRIPTION

Fundamentals of algebra; polynomial, rational, exponential, and logarithmic functions, their graphs and applications; systems of equations. Credit may not be received for Math 126 if credit has already been awarded for Math 128 or higher.

PREREQUISITE

One of the following: ACT 22, SAT 500, Math 096 C/S, Accuplacer EA 80 and CLM 55

CORE OBJECTIVES

This course satisfies the university core mathematics requirement and meets the Core Objective CO2 Quantitative Reasoning: Students will be able to apply quantitative reasoning and mathematical analysis methodologies to understand and solve problems.

STUDENT LEARNING OUTCOMES

Upon completion of this course, a student will be able to graph rational functions, solve equations involving exponential and logarithmic functions, and solve inequalities involving rational functions.

GRADING

Your course grade will be determined by the following:

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| Homework | 15% |
| Recitation Activities | 10% |
| Exams | 45% |
| Final Exam | 30% |

The grading scale will be as follows:

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|----|--------------|----|--------------|
| A | 92.0 – 100% | C | 70.0 – 77.9% |
| A- | 90.0 – 91.9% | D+ | 68.0 – 69.9% |
| B+ | 88.0 – 89.9% | D | 62.0 – 67.9% |
| B | 82.0 – 87.9% | D- | 60.0 – 61.9% |
| B- | 80.0 – 81.9% | F | 0 – 59.9% |
| C+ | 78.0 – 79.9% | | |

No rounding up will be done, no exceptions. You need at least a D to pass this class and earn core math credit. You need at least a C to move on to the next math class.

HOMEWORK

All homework assignments are to be completed on www.MyMathLab.com. Due dates will be posted online. It is your responsibility to keep up with the homework and due dates. You may work on your homework after the due date with a 50% penalty until midnight of the day before the next exam. You are allowed to work on homework with your classmates, a tutor, or in the math center. Getting help on homework is encouraged and is not considered cheating.

All students must register for this course online by going to www.MyMathLab.com and following the instructions. You will need a valid email address, course ID (**The course ID for this class is petersen68026**) and student access code (comes with textbook or is purchased online) to register. All students must register by Friday, September 1. If you need assistance registering, please call tech support at 1-800-677-6337.

RECITATIONS

Every Friday you will have a recitation section led by our TA. There will be graded quizzes, group work, and other activities in recitations that will make up 10% of your overall grade. There will also be time for you to ask questions from lecture or homework, so you are encouraged to review the week's homework **before** recitation. Your two lowest recitation scores will be dropped at the end of the semester. Absolutely no early or late quizzes/activities will be given. Your TA will give you a syllabus with their policies and contact information at the first recitation. It is your responsibility to make sure that your recitation grades are entered correctly on the MyMathLab gradebook. Any grading error must be reported to the instructor or TA in writing within 1 week of posting.

EXAMS

There will be 4 exams and a comprehensive final exam. Please see the class schedule below for exam dates. Exams will be a combination of multiple choice and free response. Free response may or may not be graded with partial credit. A scientific calculator will be allowed on the final exam. Formula sheets or notes will not be allowed on exams. You must have your UNR student ID with you for all tests. If you are late to an exam 10% will be deducted from your exam score. Any student participating in official school activities that will interfere with tests must make arrangements with me two weeks prior to the test that will be missed. Any student requiring accommodations through the DRC must schedule their exams on the same day as the in class exam. Your lowest exam score (excluding the final) will be dropped at the end of the course. If you have a documented medical emergency, family emergency, travel plans, etc on the day of an exam, you must take the missed exam as your drop. It is your responsibility to make sure that your exam grades are entered correctly on the MyMathLab gradebook. Any grading error must be reported to the instructor or TA in writing within 1 week of posting.

AVAILABLE RESOURCES

Your student fees cover usage of the Math Center (PSAC 300, www.unr.edu/mathcenter), Tutoring Center (PSAC 320, www.unr.edu/tutoring), and University Writing Center (PSAC 350, www.unr.edu/writing_center). These centers support your classroom learning; it is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student.

DISABILITY STATEMENT

The Department of Mathematics and Statistics supports providing equal access for students with disabilities. Any student with a disability needing academic adjustments or accommodations is requested to speak with me or the Disability Resource Center (PSAC 230, www.unr.edu/drc) as soon as possible to arrange for appropriate accommodations.

EMAIL

Email is a formal means of communication between you and your professor or TA. Make sure to use correct grammar, capitalization, and punctuation. You should include your full name, class name, and section number on every email. Any email not following these guidelines may be returned to you for revision. You should try to resolve any issues or questions with your TA before emailing your professor. Many questions can be answered by reviewing our syllabus, schedule, and website. Please allow 1-2 business days for a reply.

ACADEMIC CONDUCT

No laptops, cell phones, iPods, or other electronics are allowed in class. If you are being disruptive during class you will be asked to leave. You must come to class on time and stay until the end of lecture. Tardy students will not be admitted to class. Please visit <http://www.unr.edu/student-conduct> for our official student code of conduct.

UNIVERSITY RECORDING POLICY

Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may have been given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.

EQUAL OPPORTUNITY AND TITLE IX

The University of Nevada, Reno is committed to providing a safe learning and work environment for all. If you believe you have experienced discrimination, sexual harassment, sexual assault, domestic/dating violence, or stalking, whether on or off campus, or need information related to immigration concerns, please contact the University's Equal Opportunity & Title IX office at 775-784-1547. Resources and interim measures are available to assist you. For more information, please visit: <https://www.unr.edu/equal-opportunity-title-ix>.

ACADEMIC DISHONESTY

Cheating, plagiarism or otherwise obtaining grades under false pretenses constitutes academic dishonesty according to the code of this university. Academic dishonesty will not be tolerated and penalties can include canceling a student's enrollment without a grade or giving an F for the course or for the assignment. For more details, see the University of Nevada, Reno general catalog.

Please visit my website www.arpetersen.com for a list of frequently asked questions and their answers.

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|---|----------|--------------|------------------|
| 1 | Tuesday | August 29 | Class Intro/2.1 |
| | Thursday | August 31 | 2.1 |
| | Friday | September 1 | Recitation |
| 2 | Tuesday | September 5 | 2.2 |
| | Thursday | September 7 | 2.3 |
| | Friday | September 8 | Recitation |
| 3 | Tuesday | September 12 | 2.4 |
| | Thursday | September 14 | 2.5 |
| | Friday | September 15 | Recitation |
| 4 | Tuesday | September 19 | EXAM 1 |
| | Thursday | September 21 | 3.1 and 3.2 |
| | Friday | September 22 | NO RECITATION |
| 5 | Tuesday | September 26 | 3.3 **SUB** |

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| | Thursday | September 28 | 3.4 **SUB** |
| | Friday | September 29 | Recitation |
| 6 | Tuesday | October 3 | 3.5 |
| | Thursday | October 5 | EXAM 2 |
| | Friday | October 6 | NO RECITATION |
| 7 | Tuesday | October 10 | 4.1 |
| | Thursday | October 12 | 4.1 and 4.2 |
| | Friday | October 13 | Recitation |
| 8 | Tuesday | October 17 | 4.2 |
| | Thursday | October 19 | 4.3 |
| | Friday | October 20 | Recitation |
| 9 | Tuesday | October 24 | 4.3 and 4.4 |
| | Thursday | October 26 | EXAM 3 |
| | Friday | October 27 | Nevada Day-- No Class |
| 10 | Tuesday | October 31 | 5.1 |
| | Thursday | November 2 | 5.2 |
| | Friday | November 3 | Recitation |
| 11 | Tuesday | November 7 | 5.3 |
| | Thursday | November 9 | 5.4 |
| | Friday | November 10 | Veteran's Day--No Class |
| 12 | Tuesday | November 14 | 5.4 and 5.5 |
| | Thursday | November 16 | 5.6 and 5.8 |
| | Friday | November 17 | Recitation |
| 13 | Tuesday | November 21 | EXAM 4 |
| | Thursday | November 23 | Thanksgiving--No Class |
| | Friday | November 24 | Thanksgiving--No Class |
| 14 | Tuesday | November 28 | A.7 |
| | Thursday | November 30 | 1.4 |
| | Friday | December 1 | Recitation |
| 15 | Tuesday | December 5 | 11.1 |
| | Thursday | December 7 | 11.1 |
| | Friday | December 8 | Recitation |
| 16 | Tuesday | December 12 | Review for Final |
| 17 | Tuesday | December 19 | FINAL EXAM 9:50-11:50am |