

## Math 126: Pre-Calculus I (Section 1009) Fall 2019

**Lecture Times:** Mon/Wed 4:00pm-5:15pm, [SLH](#) 1

**Instructor:** Paul Hurtado      **E-mail:** [phurtado@unr.edu](mailto:phurtado@unr.edu)  
**Office:** DMS 220      **Phone:** 775-784-4655 (**Please contact me through Canvas!**)  
**Office Hours:** Tues 11am-noon, Thur 3-4pm, or by appointment.

**Course websites:** WebCampus is at [wcl.unr.edu](http://wcl.unr.edu) or [webcampus.unr.edu](http://webcampus.unr.edu) or [canvas.unr.edu](http://canvas.unr.edu)  
MyLab & Mastering at [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com)

**TA:** Patricia Milham      **TA e-mail:** [pmilham@nevada.unr.edu](mailto:pmilham@nevada.unr.edu)  
**TA Office:** LLC 147F      **TA Office Hours:** Weds 9-10am, Thurs 10:30am-12:30pm

**Required Textbook:** Precalculus by Sullivan, 11<sup>th</sup> ed. Pearson (hard copy recommended but optional; online access to Pearson's MyLab & Mastering is required and includes the e-text: Access costs \$70 for 18 weeks, \$100 for 2 years, and it's an additional \$50 for the paper text).

**Pearson MyLab & Mastering Online:** All students must sign up for Pearson's MyMathLab (aka My Lab and Mastering). The majority of the homework will be done online and real time access to the grade book is available as well. Online Access Codes for MyMathLab are available at the bookstore but are cheaper to purchase directly online at <http://www.pearsonmylabandmastering.com>. A hard copy of the book is optional. Access to an online version of the textbook comes with access to My Lab and Mastering.

*All students must register with Pearson for this course by **Friday August 30!***

**The course ID for this class is: hurtado41036**

**Calculator:** A scientific calculator (e.g., to compute logarithms) will be required for Exam 3 and may be useful on homework. Graphing calculators and cell phones are prohibited for Exam 3.

**Course Description:** Fundamentals of algebra; polynomial, rational, exponential, and logarithmic functions, their graphs, and applications; complex numbers; absolute value and quadratic inequalities; systems of equations, matrices, determinants. (Credit may not be received for MATH 126 if credit has already been awarded for MATH 128 or above). (This course satisfies the University Core Mathematics requirement).

**Prerequisite:** ACT score of 22, SAT score of 500, or MATH 096 with a "C" or above or an "S".  
\*Credit may not be received for MATH 126 if already awarded for MATH 128 or above.

**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, students will be able to:

- graph rational functions,
- solve equations involving exponential or logarithmic functions, and
- solve inequalities involving rational functions.

**Topics Covered:**

Function notation, domain and range of a function  
Properties of functions: increasing/decreasing, relative max/min, symmetry  
Graphing functions: polynomial, rational, exponential, logarithm  
Applications of functions: absolute max/min of quadratic functions  
Solving polynomial and rational inequalities, Roots/zeros of polynomials  
Composition of functions, Inverse functions  
Applications of Exponential and Logarithmic functions  
Solving systems of equations, Imaginary numbers, Circles

**Grading and Required Work:** Your course grade will be determined by:

Exams 1, 2, and 3:	45%
Cumulative Final Exam	30%
Homework	15%
Quizzes	10%

The grading scale will be as follows:

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

You need at least a D to pass this class and earn core math credit, and at least a C to move on to the next math class. I reserve the right to deviate from the above scale, including the assignment of +/- grades and giving higher letter grades, in borderline cases.

**Homework (15%):** Homework will typically be assigned after each lecture. Homeworks covering Review Topics from Math 96 will be assigned throughout the semester. All homework assignments are to be completed on **Pearson’s My Lab and Mastering**. Due dates will be posted online. It is your responsibility to keep up with the homework and due dates. 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.

If you already have a Pearson account, login with that now. Otherwise, click on “Create”. To register for our course, you will need a valid email address and either an access code (from the bookstore) or a credit card to pay. Temporary 2 week access codes are available. If you need assistance registering, please call Pearson tech support at **1-800-677-6337**. Please ensure your name is consistent on both the Pearson site, and Canvas/WebCampus.

**Quizzes (10%):** There will be a total of 10 quizzes given in recitation sections on Fridays. See course schedule for details.

**Exams (45%):** There will be 3 exams. Please see the schedule below. Review materials will be provided before each exam. You must have your UNR student ID with you for all exams.

**Final Exam (30%):** There will be a cumulative final exam that will be given on  
**Monday Dec 16, 2:30pm – 4:30pm, in SLH 1.**

**Make-up Work:** There will be no make-ups for exams, except for University-approved reasons. You must let the instructor know about medical issue on the day of the exam, or if you are unable to do so, as soon as possible. Any student participating in official University-approved activities that will interfere with an exam must make arrangements with the instructor at least two weeks prior to the exam that will be missed. UNR policies are provided in [UAM 3.020](#) and at <https://med.unr.edu/shc/insurance/clinic-policies>. Any student requiring accommodations through the DRC must schedule their exams on the same day as the in class exam. No make-up quizzes are allowed. Instead, the 2 lowest quiz scores will be dropped.

**Etiquette:** Please be considerate of your fellow students, TA, and instructor. Please turn off all your electronics (phone, laptop, etc.) before class. Behavior that may disrupt the learning environment will not be tolerated. To clarify what counts as disruptive, please ask the instructor.

**Academic Success Services:** Your student fees cover usage of the Math Center (PSAC 300, [www.unr.edu/mathcenter](http://www.unr.edu/mathcenter)), Tutoring Center (PSAC 320, [www.unr.edu/tutoring](http://www.unr.edu/tutoring)), and University Writing Center (PSAC 350, [www.unr.edu/writing\\_center](http://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 Services:** Any student with a disability needing academic adjustments or accommodations is requested to speak with the Disability Resource Center (PSAC 230, [www.unr.edu/drc](http://www.unr.edu/drc)) as soon as possible to arrange for appropriate accommodations. This course may leverage 3rd party web/multimedia content, if you experience any issues accessing this content, please notify your instructor.

**Academic Misconduct:** Cheating, plagiarism or otherwise obtaining grades under false pretenses constitute 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, giving an F for the course or for the assignment. The University Academic Standards Policy defines academic dishonesty, and mandates specific sanctions for violations. See the University Academic Standards policy: [UAM 6.502](#), particularly Subsection C, *Levels of Academic Dishonesty*, so that you are familiar with examples of such violations, and the mandated consequences associated with the levels of academic misconduct.

**Audio and Video Recording:** 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 be given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.

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>.

**Pack Provisions:** ASUN Pack Provisions strives to support all members of the University with daily resources they need to ensure success. This mission is carried out by providing access to basic necessities to students in need such as food, school supplies, hygiene items and more. To utilize this service, visit ASUN Center for Student Engagement on the Third Floor of the Joe Crowley Student Union or email [packprovisions@asun.unr.edu](mailto:packprovisions@asun.unr.edu).

### Class Schedule

Week	Day of Week	Date	Topic
1	Monday	August 26	Class Intro/2.1
	Wednesday	August 28	2.1
	Friday	August 30	Recitation -- Quiz
2	Monday	September 2	Labor Day -- No Class
	Wednesday	September 4	2.2
	Friday	September 6	Recitation -- Quiz
3	Monday	September 9	2.3
	Wednesday	September 11	2.4
	Friday	September 13	Recitation -- Quiz
4	Monday	September 16	2.5
	Wednesday	September 18	EXAM 1
	Friday	September 20	NO RECITATION
5	Monday	September 23	3.3
	Wednesday	September 25	3.3 and 3.4
	Friday	September 27	Recitation -- Quiz
6	Monday	September 30	3.5 and 4.1
	Wednesday	October 2	4.1 and 4.2
	Friday	October 4	Recitation -- Quiz
7	Monday	October 7	4.3
	Wednesday	October 9	4.4
	Friday	October 11	Recitation -- Quiz
8	Monday	October 14	4.5
	Wednesday	October 16	EXAM 2
	Friday	October 18	NO RECITATION
9	Monday	October 21	5.1
	Wednesday	October 23	5.2

Week	Day of Week	Date	Topic
	Friday	October 25	Nevada Day-- No Class
10	Monday	October 28	5.3
	Wednesday	October 30	5.4
	Friday	November 1	Recitation -- Quiz
11	Monday	November 4	5.5
	Wednesday	November 6	5.6 and 5.8
	Friday	November 8	Recitation -- Quiz
12	Monday	November 11	Veteran's Day--No Class
	Wednesday	November 13	EXAM 3
	Friday	November 15	NO RECITATION
13	Monday	November 18	1.4
	Wednesday	November 20	A.7
	Friday	November 22	Recitation -- Quiz
14	Monday	November 25	11.1
	Wednesday	November 27	11.1
	Friday	November 29	Thanksgiving--No Class
15	Monday	December 2	11.1
	Wednesday	December 4	Review for Final
	Friday	December 6	Recitation -- Quiz
16	Monday	December 9	Review for Final
	Wednesday	December 11	Prep Day -- No Class
17	Monday	December 16	Final Exam 2:30pm-4:30pm

### Other Important Dates

- Fri Aug 30: Final day to add classes **without** instructor permission
- Thu Sept 5: Final day to receive 100% refund for withdrawing from individual classes  
Final day to add or swap classes **with** permission from the instructor
- Fri Oct 4: Final day to withdraw from university with 50% refund
- Mon Oct 31: Final day to drop with a 'W'

For more details and dates, see the academic calendar at  
<https://www.unr.edu/academic-central/academic-resources/academic-calendar>