

# Math 127: Precalculus II

Mathematics and Statistics Department, University of Nevada, Reno

NevadaFIT Fall 2017

EJCH 205

## INSTRUCTOR INFORMATION

Instructor: Adrienne Petersen  
Email: arpetersen@unr.edu  
Website: www.arpetersen.com  
Office: DMS 233  
Office Hours: By appointment only

## REQUIRED MATERIALS

Textbook: "Precalculus" 10th Edition by Sullivan (Also available online at [www.MyMathLab.com](http://www.MyMathLab.com))

## COURSE DESCRIPTION

Trigonometric functions, identities and equations, conic sections, complex numbers, polar coordinates and vectors. Credit may not be received for Math 127 if credit has already been awarded for Math 128 or higher. (Only some of these topics will be covered in this NevadaFIT course)

## LEARNING 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 solve trigonometric equations, convert between Cartesian and polar coordinates, and analyze equations of central conics. (Only some of these topics will be covered in this NevadaFIT course)

## TOPICS COVERED

Trigonometric functions, identities and equations, conic sections, complex numbers, polar coordinates, vectors, matrix algebra. (Only some of these topics will be covered in this NevadaFIT course)

## PREREQUISITE

One of the following: ACT 27, SAT 610, Math 126 C, Accuplacer EA 80 and CLM 84

## GRADING

ATTENDANCE IS MANDATORY TO RECEIVE CREDIT FOR NEVADAFIT

Your course grade will be determined by the following:

Homework	30%
Quizzes	30%
Exam	40%

The grading scale will be as follows:

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%		

## **HOMEWORK**

All homework assignments are to be completed on [www.MyMathLab.com](http://www.MyMathLab.com). 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.

All students must register for this course online by going to [www.MyMathLab.com](http://www.MyMathLab.com) and following the instructions. You will need a valid email address, course ID (**The course ID for this class is petersen73553**) and student access code (comes with textbook or is purchased online) to register. All students must register by 7pm on Sunday, August 20. If you need assistance registering, please call tech support at 1-800-677-6337.

## **QUIZZES AND EXAMS**

Quizzes and exams will be a combination of multiple choice and free response. Free response may or may not be graded with partial credit. No calculators or formula sheets will be allowed. You must have your UNR student ID with you for all tests. Any student requiring accommodations through the DRC must schedule their exams on the same day as the in class exam. No late or early exams will be given unless you have a documented medical emergency.

## **AVAILABLE RESOURCES**

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 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](http://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. Many questions can be answered by reviewing our syllabus, schedule, and website.

### **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.

### **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](http://www.arpetersen.com) for a list of frequently asked questions and their answers.

### **TENTATIVE CLASS SCHEDULE**

Sunday	August 20	9-10:20am	Syllabus and 6.1
Sunday	August 20	2-2:50pm	6.1/6.2
Monday	August 21	9-9:50am	Quiz 1 and 6.2
Monday	August 21	2-2:50pm	6.2/6.3
Tuesday	August 22	9-9:50am	Quiz 2 and 6.3
Tuesday	August 22	2-2:50pm	6.3/6.4
Wednesday	August 23	9-9:50am	EXAM
Wednesday	August 23	2-2:50pm	Review Exam and 6.6