



## **MATH 127 Precalculus II**

Wintermester 2019

### **Number of Credits**

3

### **Instructor**

Amos Natido

### **Catalog Description**

Trigonometric functions, identities and equations; conic sections; complex numbers; polar coordinates, vectors; systems of equations, Matrix algebra and more. (Credit may not be received for MATH 127 if credit has already been awarded for MATH 128. This course satisfies the University Core Mathematics requirement).

### **Required Textbooks/Materials**

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

Calculator: Scientific calculator and knowledge of operating calculator

### **Student Learning Outcomes**

Upon successfully completing this course, students will be able to

- solve trigonometric equations;
- convert between Cartesian and polar coordinates; and
- analyze equations of central conics.

### **First Week of Materials/Assignments**

The following schedule is subject to change:

*January 2:* Section 6.1-6.2

*January 3:* Section 6.3-6.4

*January 4:* Section 6.5-6.6

*January 7:* Review, Final

## Grade Breakdown

The point distribution for the course is:

<b>Assignment</b>	<b>Points</b>
Homework	20
Quizzes	15
Exams	40
Finals	25
<i>Total</i>	<i>100</i>

The percentage distribution for the course is:

<b>Letter</b>	<b>Percentage</b>
A	90–100
A-	87–89
B+	84–86
B	80–83
B-	77–79
C+	74–76
C	70–73
D+	64–69
D	60–63
F	below 60