

MATH 127 Precalculus II

Wintermester 2019

Number of Credits

3

Instructor

Kwame Boamah-Addo

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

The following texts are required material in this course:

Pre-Calculus by Sullivan, 10th ed. Pearson

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 such as ellipses and hyperbolas.

First Week of Materials/Assignments

The following schedule is subject to change:

January 2: Syllabus, Section 6.1, Section 6.2

January 3: Section 6.3, Section 7.4, Section 6.4

January 4: Section 6.5, Section 6.6, Section 7.1

January 7: Review, **Test 1**

Grade Breakdown

The point distribution for the course is:

Assignment	Percentage
Homework/Quizzes	35
Tests	40
Final Test	25
<i>Total</i>	<i>100</i>

The percentage distribution for the course is:

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