

COURSE OUTLINE
EDUC-102
Praxis I Review Course – Math Test
1 Semester Hour

HOWARD COMMUNITY COLLEGE

Description

This Praxis I Review Course is designed to help students prepare for the Praxis I Math Test. Passing scores on a basic skills test are required for: 1) an AAT degree, 2) admission to a four-year Teacher Education program, and 3) teacher certification in Maryland and most other states. Passing scores of basic skills tests are: Praxis I – 177 in Math, 177 in Reading, 173 in Writing or total composite score of 527; or, SAT – composite score of 1100 in Math and Verbal (prior to 4/95, the SAT score equivalent is 1000); or, ACT – composite score of 24; or, GRE – composite score of 1000. **Students must pass the Praxis I exam if they have not received passing scores on another basic skills test.** Students majoring in the Teacher Education transfer programs are required to submit scores from Praxis I or other approved basic skills tests (SAT, ACT, GRE) to the Social Sciences Division Office prior to the completion of the 30th credit hour. Credit count certification individuals, conditional teachers, and teacher education majors could benefit from this course. (Campus Web course)

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Exhibit basic problem-solving techniques.
2. Solve math problems using integers, fractions, decimals and percents.
3. Read, manipulate and plot functions and graphs.
4. Solve equations and inequalities.
5. Classify angles and polygons.
6. Calculate areas for two-dimensional figures.
7. Take and complete typical Praxis I Math test samples.

Major Topics

- I. Basics of Arithmetic: operating with numbers
 - a. Integers and fractions
 - b. Decimals
 - c. Percents
- II. Functions and graphs
 - a. Understanding tables and charts
 - b. Elements of statistics
 - c. Basics graphs
- III. Ratios and proportions
- IV. Word problems
- V. Variables, expressions and equations
- VI. Angles

VII. Two- and three-dimensional figures

VIII. Measuring geometric figures

Course Requirements

Grading/Exams:

Course assignments include:

- Pretest
- Homework Assignments
- Online quizzes
- Post test