

**SOUTHEAST COMMUNITY COLLEGE  
DIVISION OF ARTS AND SCIENCES**

**Social Science**

**Revision Date: 07-01-19**

[Syllabus Statements](#)

**I. CATALOG DESCRIPTION**

Course Number: EDUC0940

Course Title: Math Praxis Test Prep

Prerequisite(s): None

Catalog Description: This course is designed to provide preparation for the math portion of the Praxis exam to students wanting to pursue a teaching career.

Credit Hours: 1.0

Class Hours: 15

Lab Hours: 0

Total Contact Hours: 15

**II. COURSE OBJECTIVES:** *Course will:*

- A. Develop effective problem-solving and application of math concepts to basic and practical problems.
- B. Supply strategies for effectively responding to math tasks in a timed testing environment.
- C. Develop an understanding of the Praxis test format.
- D. Provide exercises and practice tests that will be covered on the Praxis Exam.
- E. Model learning strategies, organizational, learning and planning skills.

**III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES**

A. Student Learning Outcomes: *Student will be able to:*

- 1. Understand basic number and quantity skills
- 2. Apply basic algebra skills addressed on the Praxis exam
- 3. Apply basic geometry skills addressed on the Praxis exam
- 4. Understand basic probability/statistics addressed on the Praxis exam
- 5. Identify and use test-taking strategies

B. General Education Learning Outcomes

- 1. GELO #3: Critical Thinking & Problem Solving  
Outcome: Collect, identify, interpret and analyze data.  
Outcome: Synthesize information to arrive at reasoned solutions to problems.
- 2. GELO #5: Analytical, Quantitative, and Scientific Reasoning  
Outcome: Apply mathematical and scientific methods to solve problems from an array of contexts and everyday situations.  
Outcome: Manipulate formulas, data sets, graphs, tables, etc. in a way to produce a meaningful outcome.

**IV. CONTENT/TOPICAL OUTLINE** (*course outline may provide more detailed information*)

- A. Ratios and Proportional Relationships (Number & Quantity)
- B. The Real Number System (Number & Quantity)
- C. Quantities (Number & Quantity)
- D. See structure in Expressions (Algebra)
- E. Reasoning with Equations and Inequalities (Algebra)
- F. Functions (Algebra)

- G. Congruence & Similarity (Geometry)
- H. Right Triangles (Geometry)
- I. Circles (Geometry)
- J. Geometric Measurement & Dimension (Geometry)
- K. Modeling with Geometry
- L. Basic Statistics & Probability
- M. Interpreting Categorical & Quantitative Data
- N. Making Inferences & Justifying Conclusions
- O. Using Probability to Make Decisions

**V. INSTRUCTIONAL MATERIALS**

- A. Required Text(s):
  - 1. None.
- B. Other Resources:
  - 1. Provided by instructor.

**VI. METHODS OF PRESENTATION/INSTRUCTION**

- A. Methods of presentation typically include a combination of the following:
  - 1. Lecture/discussion
  - 2. Peer collaborations
  - 3. Assignment analysis and feedback

**VII. METHODS OF EVALUATION**

- A. Methods of evaluation typically include a combination of the following:
  - 1. Discussions
  - 2. Assignments
  - 3. Exams

**B. SCC GRADING SCALE**

A+	95-100	C+	75-79	F	59 or less
A	90-94	C	70-74		
B+	85-89	D+	65-69		
B	80-84	D	60-64		

**VIII. SPECIFIC COURSE REQUIREMENTS:**

- 1. Complete all required assignments.
- 2. Complete all required exams and practice tests.
- 3. Complete all assigned discussions.