

MATHN 810 - Supervised Math Tutoring Course Outline

Approval Date: 05/12/2022

Effective Date: 08/12/2022

SECTION A

Unique ID Number CCC00063180

Discipline(s)

Course Description

Repeatability May be repeated 99 times

Catalog Description This course provides support for math skills under the supervision of the Math Success Center via online modules, directed activity, discussion boards and other tutoring activities.

Schedule Description This course provides support for math skills under the supervision of the Math Success Center via online modules, directed activity, discussion boards and other tutoring activities.

SECTION D

Condition on Enrollment

1a. **Prerequisite(s):** *None*

1b. **Corequisite(s):** *None*

1c. **Recommended:** *None*

1d. **Limitation on Enrollment:** *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

A. Demonstrate increased knowledge of mathematical concepts

2. Course Objectives: Upon completion of this course, the student will be able to:

A. Demonstrate improved math foundational skills in areas such as factoring, graphing, solving equations, and the analysis of data

B. Recognize how class resources such as notes, videos, textbook, calculators, graphing software and written materials can be effective tools in learning mathematics

C. Recognize how to develop effective math study skills and increase self-efficacy to support success in course completion

D.

3. Course Content

Using a just-in-time support model approach, content will be covered as needed for student success. Each tutoring session will help students meet their goals to be successful in their current coursework. Additional content includes learning modules and discussion boards.

Math Success Center Topics include, but are not limited to, the following modules and areas of study

Module: Prepare for Math 106 Quizzes

- Quiz 1: Functions
- Quiz 2: Polynomials
- Quiz 3: Logarithms
- Quiz 4: Rational Functions

Generate and Analyze Graphs

Solve Applications Problems

Implement Computational Procedures

Write Mathematical Proofs

Study Skills for Math

4. Methods of Instruction:

Activity:

Directed Study:

Discussion:

Individualized Instruction:

Online Adaptation: Activity, Directed Study, Discussion, Group Work, Individualized Instruction

Explain how the online adaptation of the methods of instruction aligns with the course

outcomes: Instruction can be delivered effectively in both synchronous and asynchronous online classes, incorporating various forms of media including, but not limited to; documents, presentations, lectures, audio/video recordings, live video streams.

5. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Typical classroom assessment techniques

Oral Presentation -- students will demonstrate their understanding of a math concept by explaining how they worked through a specific problem.

Simulation -- Students will work through similar examples with a tutor to provide evidence of their understanding of the problem.

Additional assessment information:

Non-Credit Class

P/NP Only

Most material will be presented as modules in online student learning management system (Canvas). OER textbooks and instructor produced material may be used

8. CB Codes

<i>CB04 Credit Status:</i>	N - Noncredit
<i>CB08 Basic Skills Status:</i>	N - Not Basic Skills
<i>CB10 Course COOP Work Exp-ED:</i>	NCOOP = Not part of Coop Work Exp
<i>CB11 Course Classification Status:</i>	L = Non-enhanced Funding
<i>CB13 Special Class Status:</i>	N - Not a Special Class
<i>CB21 Prior Transfer Level:</i>	A - One level below transfer
<i>CB22 Noncredit Category:</i>	C - Elementary and Secondary Basic Skills
<i>CB23 Funding Agency Category:</i>	Y - Not Applicable
<i>CB24-Program Course Status:</i>	