

Prepared by: D. Mitchell

Reviewed by: R. Payne

Reviewed by:

Date Prepared: Fall 2022

Textbook:

C & GE Approved:

Semester effective:

Mathematics (MATH) 1500C Support for Math for a Modern Society (1 unit)

Prerequisite: None

Corequisite: MATH 1500 (Math for a Modern Society) must be taken concurrently.

Advisory: None

Hours and Unit Calculations:

16 hours lecture. (32 Outside-of-class Hours); (48 Total Student Learning Hours) 1 Unit

Catalog Description: Co-requisite support for Math 1500 Math for a Modern Society. This 1-unit course is intended to provide additional support for students who are concurrently enrolled in Math 1500. Emphasis will be placed on prerequisite math skills needed to be successful in Math 1500, as well as study skills, appropriate use of technology, and just-in-time review and remediation. Students who earn an A, B, C, will earn credit in this class. Students who earn an A, B, C, will earn credit in this class.

Type of Class/Course: Credit/No Credit

Texts: Bennett, Jeffrey O., and William L. Briggs. *Using & Understanding Mathematics: A Quantitative Reasoning Approach*. Pearson, 2018.

Additional Required Materials: Calculator or any other technology/materials required in Math 1500.

Course Objectives:

By the end of the course, a successful student will:

- 1. Develop strong study skills to become independent, active learners**
- 2. Demonstrate mastery of the mathematical skills necessary to complete the Math 1500 course**
- 3. Utilize technology when appropriate**

Course Scope and Content:

- 1. Thinking Critically**
- 2. Approaches to Problem Solving**
- 3. Numbers in the Real World**
- 4. Financial Management**
- 5. Statistical Reasoning**

6. Living With the Odds
7. Appropriate Use of Technology
8. Study Skills

Learning Activities Required Outside of Class:

The students in the class will spend a minimum of 2 hours per week outside of the regular class time doing the following:

1. Completing assigned reading from the textbook
2. Completing assigned homework problems and study activities
3. Watching instructional videos
4. Watching videos related to growth mindset and study skills
5. Review how to use technology to solve problems
6. Work on course-related topics in math lab/learning center or office hours

Methods of Instruction

1. Lecture and sample problems created or curated by the instructor
2. Videos that demonstrate how to utilize technology to solve select problems
3. Individual work with appropriate technology
4. Student presentations

Methods of Evaluation

1. Student Presentations
2. Problem-solving assignments or activities
3. Quizzes
4. Project
5. Discussions
6. Written summaries
7. Time spent in Math lab, Learning Center, or using TC tutoring services

Supplemental Data:

<u>TOP Code:</u>	<u>170100: Mathematics, General</u>
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<u>SAM Priority Code:</u>	<u>E: Non-Occupational</u>
<u>Distance Education:</u>	<u>N/A</u>
<u>Funding Agency:</u>	<u>Y: Not Applicable(funds not used)</u>
<u>Program Status:</u>	<u>Program Applicable</u>
<u>Noncredit Category:</u>	<u>Y: Not Applicable, Credit Course</u>
<u>Special Class Status:</u>	<u>N: Course is not a special class</u>
<u>Basic Skills Status:</u>	<u>N: Course is not a basic skills course</u>
<u>Prior to College Level:</u>	<u>Y: Not applicable</u>
<u>Cooperative Work Experience:</u>	<u>N: Is not part of a cooperative work experience education program</u>
<u>Eligible for Credit by Exam:</u>	<u>NO</u>
<u>Eligible for Pass/No Pass:</u>	<u>C: Pass/No Pass</u>
<u>Discipline:</u>	<u>Mathematics</u>