TAFTCOLLEGE

Mathematics (Math) 1520C Support for Finite Mathematics (1 unit)

Prerequisite: None

Corequisite: Math 1520 (Finite Mathematics) 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 1520 Finite Mathematics. This 1-unit course is intended to provide additional support for students who are concurrently enrolled in Math 1520. Emphasis will be placed on prerequisite math skills needed to be successful in Math 1520, 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.

Type of Class/Course: Credit/No Credit

Texts: Lial, Margaret L., et al. *Finite Mathematics with Applications In the Management, Natural, and Social Sciences.* Pearson, 2018.

Additional Required Materials: Calculator or any other technology/materials required in Math 1520.

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 1520 course**
3. **Utilize technology when appropriate**

Course Scope and Content:

    A. **Real Numbers and Order of Operations**
    B. **Exponents and Logarithms**
    C. **Graphing Functions**
    D. **Systems of Equations and Inequalities and Linear Programming**
    E. **Sets, Counting, and Probability**
    F. **Problem Solving Techniques**
    G. **Appropriate Use of Technology**

H. 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:

TOP Code:	170100: Mathematics, General
SAM Priority Code:	E: Non-Occupational
Distance Education:	N/A
Funding Agency:	Y: Not Applicable(funds not used)
Program Status:	Program Applicable
Noncredit Category:	Y: Not Applicable, Credit Course

Special Class Status:	**N: Course is not a special class**
Basic Skills Status:	**N: Course is not a basic skills course**
Prior to College Level:	**Y: Not applicable**
Cooperative Work Experience:	**N: Is not part of a cooperative work experience education program**
Eligible for Credit by Exam:	**NO**
Eligible for Pass/No Pass:	**C: Pass/No Pass**
Discipline:	**Mathematics**