

**MAT 205- Finite Mathematics**  
**Course Syllabus**  
**Course Credit:** 3 semester hours

**Instructor:** James Warren

**E-mail:** [warren03@mc.edu](mailto:warren03@mc.edu)

**Course Description:** This course is a study of mathematics for business, management and economics. Topics include algebra, functions and graphs, exponential and logarithmic functions, mathematics of finance, systems of equations and matrices.

**Rationale:** Quantitative techniques have become widely used in recent years for business analysis and as an aid in business decision-making processes. This course will provide students with the study of certain mathematical concepts and emphasizes their application to business and finance. It is a required course for some majors and a good elective for others.

**Prerequisites:** Mat 101 (College Algebra) or two years of high school algebra

**Learning Objectives:** Students will review and apply algebraic techniques, apply and differentiate financial formulas, and apply basic matrix operations. These topics are broken down into the following topics

Unit 1: Chapter 2 (Algebra)

Unit 2: Sections 5.1-5.6 (Systems of Equations)

Unit 3: Sections 6.1 – 6.4 (Linear Programming)

Unit 4: Sections 4.1 - 4.3 (Finance)

In achieving these objectives, **students are expected to:**

1. Arrive to class on time
2. Attend every class meeting unless an emergency or school related activity prevents it.
3. Complete all out of class work on time
4. Be prepared for class (familiarizing oneself with materials that will be covered)
5. Turn off or place on Silence all cell phones

**Academic Integrity:** Students are expected to do their own work. Refer to the following web site: [www.mc.edu/publications/policies/219.html](http://www.mc.edu/publications/policies/219.html).

**Materials Required:**

**Text:** Applied Mathematics for the Managerial, Life, and Social Sciences (Tan – 6<sup>th</sup> edition)

**Additional Materials:** Calculator, computer access

**Course Content:** See topics listed above.

**Methods of Instruction:** Include lecture, problem solving, and class discussion, as well as in-class and online problem solving. Homework assignments will be assigned, completed and graded through an online program

**Method of Assessment:** There will be a total of 4 tests each worth 20% of your grade. The fourth test will be a comprehensive final. The remaining 20% will come through online homework, quizzes and projects. The grading scale is: [90-100 A], [80-89 B], [70-79 C], [60-69 D], [0-59 F].

**Attendance:** Mississippi College's attendance policy states that any student that misses more than 25% of the class meetings (whether excused or unexcused) will receive an F for the course. This means that any student with 4 or more absences for an 8 week ADP class will automatically receive an F for the course. Two tardies count as an absence.

**Drop Date:** Friday November 22