**Course Syllabus**
(Tentative)

**BA 39 53883 53885– Finite Math**

**Instructor:** Mike Sorensen Email: mike.sorensen@reedleycollege.edu

**Office:** BUS 40 Phone: 638-3641 Ext. 3615

 **Office Hours:**Wednesdays 9:00-1:00

All office hours are by phone or zoom meeting.

I can be reached at (559) 634-0941

I will be happy to arrange a zoom meeting.  Please call to make arrangements.

Additionally, I can meet with you in person if it is very important.  We will have to follow all Reedley College protocol for any face-to-face meetings.  Again, call to make arrangements.

**Text:** Finite Mathematics with Applications, 12th Edition Lial & Hungerford
ISBN: 9780134862699

Used books and eBooks are acceptable.  You do not need to purchase a publisher's code for this class.

Below is a link to the publisher's website that will allow you to purchase an eBook or rent the textbook.

<https://www.pearson.com/store/p/finite-mathematics-with-applications-in-the-management-natural-and-social-sciences/P100002526428>

**Student Learning Outcomes:**

* Solve applied problems in finance including simple and compound interest, future and present value, annuities, sinking funds, and amortization.
* Find unions, intersections and complements of sets and use Venn diagrams to solve problems.
* Find the inverse of a square matrix and use the inverse to solve a system of linear equations.
* Solve a system of linear equations using Gauss-Jordan elimination and interpret the results.
* Apply linear and exponential graphs and functions.
* Write a system of linear equations to solve applied problems.
* Find the conditional probability of an event.
* Solve linear programming problems in at least three variables.
* Determine the probability of a specified event.
* Apply basic combinatorial principles to enumeration problems.

**Objectives:**
This course is intended to develop an appreciation for and an interest in studying and understanding the theory and applications of finite mathematics used to solve problems in accounting, management, and information systems. This course will emphasize the application of the following topics to business problems:

• Functions: applications and graphing
• Linear Equations
• Systems of Equations and Matrices
• Linear Programming
• Mathematics of Finance
• Set Theory, Counting Principles, and Probability
• Rates of Change and Expected Value
• Derivatives (Power Rule)

**Grading:**
Your final grade will be dependent on exams only. I suggest that you complete the homework to determine your knowledge level prior to the test, but I will not be giving you credit for homework.
There will be no opportunity for extra credit.

Exams 100%

**Final grades will be based on the following scale:**

90%-100% A
80%-89% B
70%-79% C
60%-69% D
Below 60% F

**No Make-up Exams:**

All Exams must be completed on time.  There will be no makeup exams.  Because this class is online, there is a great opportunity for someone to cheat.  Therefore, I will strictly adhere to this policy.

**Attendance:**

If you fail to sign into this class in Canvas during the first week, I will drop you from class.

**Accommodations for Students with Disabilities**
If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 or the Rehabilitation Act, please contact me as soon as possible.

Last day to drop this course: October 9, 2020.