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Course Description and Objectives

This course will link the mathematical topics of symbolic logic, set theory, and probability theory to business and social science applications. Prerequisite: Math 124 or Math 126 or Math 128 all with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

1) Solve systems of equations.
2) Perform arithmetic of matrices.
3) Solve equations and inequalities.
4) Solve systems of equations using Gauss-Jordan elimination method.
5) Carry out linear programming geometrically.
6) Perform the simplex algorithm in LP.
7) Construct Venn diagrams.
8) Investigate fundamental counting principles, permutations and combinations.
9) Solve elementary probability problems.
10) Perform calculations using Bayes rule and Markov chains.
11) Explore elementary statistics to include normal and binomial distribution.
12) Apply and extend any concepts learned in the course.
# Course Materials and Online Setup

You will be using MyMathLab (www.mymathlab.com). You will need an **Access Code** to Login to MyMathLab. You must buy the Access Code (cheapest option is to buy online in MyMathLab). You should login to MyMathLab as soon as possible because homework is due soon.

## Login to MyMathLab

You will need three things to use MyMathLab:

1. **Course ID:** *johnson90227*
2. **Access Code:** Purchased with book or separately online.
3. **Valid Email:** Your preferred email address.

## Course Textbook

**Finite Mathematics & Its Applications, 11th Edition**  
Authors: Larry J. Goldstein, David I. Schneider, Martha J. Siegel  
**ISBN-10:** 0321878051

You are **NOT** required to purchase a textbook for this course. The textbook is online. Yet you must somehow purchase the Access Code stated above. You can buy the Access Code alone, or you can buy a new book with the Access Code packaged with it. Note, you cannot buy a used book and obtain an Access Code. Only new books contain an Access Code. The Access Code is located in new books inside a MyMathLab packet.

## Homework

The homework for each section must be completed by the due date, which will always be on a Tuesday by **10:00 PM**. HW must be **FINISHED** by **10:00 PM**, not started by **10:00 PM**. Homework will comprise 33% of your course grade. You should take notes from the HW and keep them in a Course Notebook. This **Course Notebook** will serve as a study reference and can be used on your chapter quizzes, but **NOT** on your exams. You cannot access HW after the due date so make sure you take any notes you need before the due date.

## Quizzes & Exams

You will have a chapter quiz for most of the chapters in the course and two exams. The quizzes comprise 33% of your grade and the exams are also 33% of your grade. Each quiz will be due before **10:00 PM** on a Tuesday. You must finish them before **10:00 PM**, not start them before **10:00 PM**. For each quiz and exam you will have only **ONE** attempt, and you may **ONLY** review them immediately after taking them. Quizzes may be taken at home. Exams **MUST** be taken at a **CSN Testing Center** during **Normal Business Hours**. Note you may do all assignments **ANYTIME** before the deadline. The entire class is open now, thus I do not want anyone asking for a time extension. If you will be busy during a certain part of the class, just do your work early.
### Extra Credit

NO extra credit work will be offered in this course for any reason.

### Grade Calculation

Overall Course Grade will be computed as follows:

\[
\text{Grade} = \frac{\text{HW Average} + \text{Quiz Average} + \text{Exam Average}}{3}
\]

### Grade Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>0-59</td>
<td>F</td>
</tr>
</tbody>
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### Course Withdrawal

It is the student's responsibility to withdraw from a course before the appropriate deadline (March 25th). Instructors can **NOT** give a grade of "W". It is your responsibility to withdraw in MyCSN or at the registrar's office.

### Academic Integrity

Scholastic dishonesty will not be tolerated and will be prosecuted to the fullest extent. You are expected to have read and understood the current issue of the student handbook (published by student services) regarding student responsibilities and rights, the intellectual property policy, and for information concerning what constitutes acceptable behavior.

### Americans with Disabilities Act

Students with medical, psychological, learning or other disabilities desiring academic adjustments, accommodations or auxiliary aids should contact a campus Disability Resource Center (DRC): Cheyenne (702) 651-4045; Charleston (702) 651-5644; Henderson (702) 651-3795. The Disability Resource Center determines eligibility for and authorizes necessary services.

### On Campus Tutoring

CSN students are extremely fortunate to have two tutoring options available to them. Both tutoring options are **FREE** of charge to students. The Math & Science Tutoring Centers tutor students on a walk-in basis. Each campus has a center containing computers, and they are all excellent places to do your HW. You may also sign-up for hour long one-on-one tutoring.