

**COLLEGE OF SOUTHERN MARYLAND**  
**MATH 1105 – College Math I**  
**Spring 2010**

**Instructor – Patricia Nickerson**

**Course Section – MTH-1105-78435**  
**Mondays and Wednesdays 12:35 – 2:20**

**Credit Hours:** 3 hours

**Prerequisites:** Math 1040, Math 1080, Appropriate Placement Test Score  
or completed Math 1000 with a final grade of “A”

**Link to Complete Syllabus – <http://www.itc.csmd.edu/mth/syllabus/index.htm>**

**Email Address – [patn@csmd.edu](mailto:patn@csmd.edu)**

**Phone Number – 301-934-7809 college voicemail**

Fax number: 301-934-7683

Emergency Closing: 301-369-1999 or 800-650-4023

**Office Location – ST 190**

**Office Hours –** Other hours can be made available by appointment.

Monday	Tuesday	Wednesday	Thursday	Friday
11am -12 pm	10 – 11 am	11am -12 pm	10 – 11 am	
	12:30 1:30 pm			

**REQUIRED MATERIALS:** **Finite Mathematics**, Ninth Edition, by Lial, Greenwell and Ritchey  
**MyMathLab Student Access Kit**

**REQUIRED CALCULATOR:** A graphics calculator is required and should be brought to every class.  
A TI-83/84 is recommended and will be used in all demonstrations.

**MYMATHLAB COURSE ID:** **nickerson89322**

**MYMATHLAB Website**

<http://www.mymathlab.com> or <http://www.coursecompass.com>

MyMathLab is ***NOT*** a program operated by CSM!! If you are experiencing technical difficulties using the program, then you should call the MyMathLab support number given below.

Toll Free: 1-888-695-6577

Hours: Monday-Thursday, 9AM-10PM

Friday, 9AM-5PM

Sunday, 5PM-10PM

**IMPORTANT DATES:** January 19: Classes begin for Spring 2010  
March 15 – 21: Spring Break  
March 29: Last day to withdraw/change to audit  
May 5: Last day of classes for the Spring Semester

## GRADING POLICY

Students will be required to complete three unit tests, six quizzes and eight worksheets. Percentage weighing for these requirements will be as follows:

120 online homework problems	120 points (1 point each)	12%
6 Algebra/ College Math Quizzes	120 points (20 pts each)	12%
8 Application Worksheets	160 points (20 pts each)	16%
3 Tests	<u>600 points</u> (200 pts each)	<u>60%</u>
Optional Final Exam	1000 points	100%
replaces a low test grade		

90 – 100% A    80 – 89% B    70 – 79% C    60 – 69% D    0 – 59% F

## **QUIZZES/UNIT TESTS/FINAL EXAM**

*Quizzes will be announced and are included in the Syllabus topic/ assignment sections.*

Three quizzes will be taken in class and three quizzes will be taken online in MyMathLab.

If an in class quiz is missed, please bring the proper documentation to your instructor to explain your absence. You may come or call my office during scheduled office hours to discuss your absence or you may use e-mail. If using e-mail send as an attachment an explanation for your absence or fax the documentation. Make up in class quizzes must be completed before the next class meeting after the quiz was given.

The online quizzes in MyMathLab are timed with required due dates. You have three chances at each quiz. If you miss the due date, a written explanation with supporting documents must be given to your instructor.

*Unit Tests will be announced and are included on the assignment sheet.*

You will be allowed the use of a small index card (3x5) of information for each test.

If a test is missed, you will have one calendar week to make up the unit test.

In order to compensate for the extra time afforded to those taking a makeup test, the use of an index card is not permissible. Makeup tests are placed in the Testing Center. **You must bring written documentation to the instructor upon returning to class verifying the reason that you were unable to attend class the day of a Unit test and needed to take the test in the testing center.**

*Final Exam is optional.*

The result of the Final Exam will be used to replace your lowest test score.

You will be allowed the use of 3 small index cards (3x5) of information for the final exam.

## APPLICATION PROBLEM WORKSHEETS

Eight worksheets will be distributed in class. Please refer to the assignment sheet as to when they will be due. Missing class on that day the worksheet is given does not exempt you from the due date. If you are absent the day the application problems were distributed in class, you will need to either go online to print the worksheet or e-mail your instructor according to your instructor's preference for a copy and turn it in on time. All necessary steps must be shown for full credit. You must show enough details that will lead to your final solution. All work should be neat and easy to read.

A late penalty of **5%** will be deducted from the worksheet grade turned in 10 min. after the start of class and a late penalty of **10%** will be deducted for **each weekday** the worksheet is overdue.

However if I have not received the work before the worksheet is returned to the rest of the class, it is worth **0 point**

## **HOMEWORK**

Students are expected to carefully read the textbook and work through the examples in each section. The next step is the homework problems. The suggested list of homework problems provides practice for this part of the learning process. Students are encouraged to work all the way through the list that applies to each class presentation. Do not become discouraged if you are having difficulty with some of them. Finish the list! A considerable portion of the class will be devoted to the discussion of the textbook homework problems. It is imperative that you be willing to ask questions on those problems that gave you difficulty.

There are 120 problems in mymathlab that will be graded by mymathlab and is part of the final grade. The program will allow you to do a problem as many times as necessary to complete the problem correctly as long as you ask for a **similar exercise** when you have gotten the problem incorrect. There is also a study plan in mml where you can do additional practice problems that are not part of the grading process.

## **ATTENDANCE**

Attendance will be checked and recorded daily. It is assumed all students will attend every class. However it is understood that occasionally a student will need to miss a class. The main impact of a missed class is the opportunity for help on the material that is presented, discussed and worked on that day in class. Regardless of whether you are present or absent from class, it is you that are responsible for learning the concepts.

A student who is present for every class, never late and does not leave early will receive 2 bonus percentage points or 20 points to be added to their final average. A student who is absent, arrives late or leaves early only once in the semester will receive 1 bonus percentage point or 10 points to be added to the final average. If you are ten minutes late or leave a class early, you are recorded as absent for that class. One percentage point or 10 points will be deducted for each absence in excess of three from the student's **final average** regardless of the reason for the absence.

If a student misses a quiz given in class or a unit test, the student must submit to the instructor written explanation and documentation verifying the absence to be allowed to make up the missed quiz or test.

## **INSTRUCTOR POLICIES**

Do not hesitate asking for help. My office hours are listed on this outline so that you can be sure that you will find me if you need extra help or need to talk to me. I may be available at other times but you will have to call or talk to me personally to find out when that would be possible.

Be involved in class discussions and ask questions.

Be prepared for class!

Be on time and do not leave class early, in order to minimize class interruptions.

Be sure to always bring your graphing calculator with you to class.

Any questions on the previous homework will be answered during the first minutes of class.

In order for you to be successful in this course, it is important that you take immediate ownership for the course and assume an **active** role in the learning process right from the start. My lectures will utilize a major portion of the class period, but they will be designed to supplement and not replace your activities that form the learning process.

**Time management is important for your success in this course.**

## **I BACKGROUND AND PURPOSE**

This is a 4 semester-hour course of which 3 credit hours are in finite mathematics with emphasis on applications to business and social sciences and 1 hour is for the development of Introductory/Intermediate Algebra Skills. Finite mathematics topics addressed include linear models, matrix theory, linear programming, combinatorics, probability, mathematics of finance, and logic. Algebra topics addressed include polynomials, factoring, rational expressions, equations, inequalities, and exponents.

The primary skill addressed in the course is that of problem solving and building a mathematical model. Application Problem worksheets are designed to illustrate the model building process in real life situations.

## **II. OBJECTIVES OF THE COURSE BY UNIT**

- Unit I**
- Linear Equations and Straight Lines
  - Matrices
  - Linear Programming, A Geometric Approach

At the conclusion of this Unit, students should be able to...

- Graph linear equations and inequalities using traditional algebraic methods and on a graphing calculator.
- Calculate the point of intersection of a system of equations using traditional algebraic methods and on a graphing calculator (two variables).
- Solve problems involving supply and demand and profit, revenue and cost by utilizing points of intersection of system of equations.
- Calculate slope of a line and apply it to the graphing of lines.
- Write equations of lines from points using traditional algebraic methods and on a graphing calculator.
- Apply slope and equations of lines to problems involving depreciation.
- Apply the Method of Least Squares to writing equations of lines that are the best fit to a set of data.
- Use equations developed through the various methods of the unit to make predictions about future trends.
- Solve a basic system of equations with more than two variables using an algebraic method and/or the graphic calculator.
- Solve a system of equations using a matrix/ inverse matrix approach using a graphing calculator.
- Apply the solution to a system of equations to the solution of word problems involving system of equations.
- Add, subtract, and multiply matrices algebraically and on a calculator.
- Solve application problems that utilize matrix computations.
- Set up and solve linear programming applications problems involving two variables.

The Following General Education Objectives are addressed in this Unit...

- Perform mathematical operations accurately.
  - Make mathematical estimates and approximations to judge the reasonableness of results.
  - Understand Mathematical information and relationships stated in words.
  - Utilize appropriate mathematical models to solve problems while recognizing the assumptions and limitations of the models.
  - Identify, define, evaluate, and solve problems.
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## **Unit II-The Mathematics of Finance**

### **-Logic**

At the conclusion of this Unit students should be able to...

- Calculate interest and future values for savings accounts and annuities.
- Calculate loan payments and create amortization tables.
- Utilize the sequence capability of a graphing calculator to create finance tables.
- Apply recursive formula to the solution of problems involving personal finance.
- Determine the truth of a statement using the standard rules of logic.
- Set up and apply truth tables to determine the validity of a statement.
- Recognize appropriate implications of a statement or series of statements

The following General Education Objectives are addressed in this Unit...

- Perform mathematical operations accurately.
  - Make mathematical estimates and approximations to judge the reasonableness of results.
  - Interpret graphs, tables and charts.
  - Understand Mathematical information and relationships stated in words.
  - Utilize appropriate mathematical models to solve problems while recognizing the assumptions and limitations of the models.
  - Apply appropriate theories to solve problems.
  - Draw reasonable conclusions from information found in various sources.
  - Identify, define, evaluate, and solve problems.
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## **Unit III -Sets and Counting**

### **-Introduction to Probability**

At the conclusion of this Unit students should be able to...

- Perform operations on sets.
- Draw Venn Diagrams and use them to sort and organize data.
- Apply Principles of Counting to application problems.
- Use the Multiplicative Principle of Counting, Permutation and Combinations to organize and sort data in application problems.
- Calculate the probabilities of various outcomes of an experiment and use these in making decisions.

The following General Education Objectives are addressed in this Unit...

- Perform mathematical operations accurately.
  - Make mathematical estimates and approximations to judge the reasonableness of results.
  - Interpret graphs, tables and charts.
  - Understand Mathematical information and relationships stated in words.
  - Utilize appropriate mathematical models to solve problems while recognizing the assumptions and limitations of the models.
  - Apply appropriate theories to solve problems.
  - Draw reasonable conclusions from information found in various sources.
  - Identify, define, evaluate, and solve problems.
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### III. GENERAL EDUCATION

Math 1100/1105 meets the requirements for general studies (see pages 59-64 of the 2008-2010 catalog). The **Mathematics** Skills and Categories of Knowledge #15 to #19 listed on page 63 of the catalog are emphasized in this course. Many other objectives such as #52, 53, 54, and 57 are also met in this course.

### IV. COLLEGE POLICIES

#### Academic Honesty

Any student caught cheating, or is guilty of any other form of academic dishonesty, will be dealt with by following the established policy published in the Student Handbook. As a **minimum** penalty it is my practice to recommend a grade of zero on the entire document involved. On serious cases, I would not hesitate to seek more severe penalties.

#### Students with Disabilities Act

Students with disabilities who believe that they may need special accommodations such as seating, larger print, etc., are encouraged to contact Disabled Student Services in the Learning Assistance Department at 301.934.7614 (Glennis Daniels-Bacchus) as soon as possible to better ensure that such accommodations are implemented in a timely fashion.

#### Classroom Guests

The College is emphasizing a policy prohibiting students from bringing guests or children to class. This policy will be strictly followed because of insurance and liability issues.

#### Drug and Alcohol Abuse

The College is a Drug- Free Zone. No trafficking or use of drugs or alcohol will be tolerated. Provisions of the Student Code of Conduct in the Student Handbook will be followed.

#### Withdrawal/Audit

The last day to withdraw from class is **March 29**. It is your responsibility to initiate the paperwork. Students who abandon the course without withdrawing will receive a grade of "F". Students switching their class status between credit and audit **must have a conference with the instructor** prior to the withdrawal date and complete the appropriate form for making the change. If the student does not fulfill the requirements outlined on the form, a grade of WD will be recorded for the course. Students requesting and applying for an audit will have an individualized contract written for them at the time of the request. The terms for the audit will be reviewed and spelled out in writing. The terms will be influenced by the student's previous attendance and history in the class prior to the request."

#### Copyright Law

Material used in connection with this course may be subject to copyright protection. Federal law provides that persons are prohibited from violating the rights of copyright holders. Violations may be subject to civil and/or criminal penalties including substantial fines and incarceration.

<http://www.copyright.gov/circs/circl.html>

### MYMATHLAB Website

<http://www.mymathlab.com> or <http://www.coursecompass.com>

MyMathLab is a powerful online, homework, tutorial and assessment system that accompanies your textbook. Instructors can create, edit, and add online homework and quizzes using algorithmically-generated exercises correlated to the objectives in the textbook. Student work is tracked in an online grade book. Students can take practice chapter tests and receive personalized study plans based on their results. The study plan diagnoses weaknesses and links students to tutorial exercises for objectives they need to study. In many cases, students can also access video clips from selected exercises.

MyMathLab will be utilized in the following manner for this section:

- **Online Homework.** Throughout the semester, several weekly online homework assignments will be given. These are due by the date and time indicated in the syllabus and in MyMathLab. If you are unhappy with your score after the first attempt, you may go back and repeat these exercises until you get a perfect score. This can be done as many times as necessary until the due date of the assignment.
- **Online Quizzes.** There will be both in-class and online quizzes given during this semester. Unlike the homework, you will only have **3** attempts for the online quizzes. These quizzes will be timed – the length will vary according to the content of the quizzes. Online quizzes must be completed by the due date on the syllabus or the grade will be recorded as a zero.
- **Practice Tests.** At the end of each chapter, there are practice tests. While these practice tests are not graded, they will give you the opportunity to see which skills need more practice. After each practice test, you receive a personalized study plan with tutorials designed to strengthen your skills.

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Toll Free: 1-888-695-6577

Hours: Monday-Thursday, 9AM-10PM  
Friday, 9AM-5PM  
Sunday, 5PM-10PM

### CSM Tutorial Services & Schedules for all campuses Website:

The following website is a source for you if you need tutoring from one of the campuses employed tutors. The service is free for CSM students.

<http://www.csm.edu/studentsuccess/tutoring/>

### TI 83/84 Graphing Calculator Websites:

The following URL is a good source for you if you need some help on using the TI-83/84.

<http://www.prenhall.com/divisions/esm/app/graphing/ti83/>

Do not forget that the Math Department has a website for the TI-83/84.

<http://www.itc.csm.edu/mth/ti83/>



Department of Mathematics, Physics, and Engineering

In order for you to be successful in your mathematics courses, the faculty of the mathematics department have developed the following common expectations of all students in mathematics courses.

1. As a student, you need to take responsibility for your own learning. This includes, but is not limited to:
  - Arriving on time for each class
  - Staying for the entire class and not leaving class early
  - Actively participating in class and not sleeping or putting your head down
  - Not engaging in other activities that detract from the classroom learning experience
  - Bringing the required materials to class. These might include textbooks, notebooks, binders, pencils, pens, and calculators.
  - Taking care of all business (phone calls, bathroom breaks, getting food, drinks, things from cars, etc.) before class starts.
2. You are expected to be an *active* learner in the classroom as well as out: to participate in group discussion, ask and answer questions, and work problems at the board.
3. You are expected to study your textbook, not merely work problems from it. The best way to do this is to read the section to be covered before the lecture is given, listen to the lecture and take notes, and then study the text again before tackling the practice problems. If this seems like a lot of work, remember that you need to allot 2 hours outside of class for each hour in class. This time commitment increases for online, web-hybrid, and computer-assisted classes.
4. It is your responsibility to keep your homework up-to-date. If you are having difficulty with the course material, then you need to take action right away – do not wait until you have lost all hope! There are several options to get assistance:
  - Talk to your instructor during office hours.
  - Visit the student success center on campus. Tutors and hours are available at [www.csmd.edu/StudentSuccess/Tutoring/](http://www.csmd.edu/StudentSuccess/Tutoring/)
  - Use online tutoring available at [www.smarthinking.com](http://www.smarthinking.com)
5. Realize that college level mathematics can be hard and is not always fun.
6. You are given the means to keep track of your grade and are expected to take responsibility for knowing your grade status throughout the semester.
7. Learning mathematics is different from learning other subjects. In a mathematics course, you must be able to do four things:
  - a. *Understand* the material.
  - b. *Process* the material.
  - c. *Apply* what you have learned to solve a problem correctly, and
  - d. *Remember* what you have learned in order to learn new material.

8. Another reason that learning mathematics is different from learning other subjects is that it follows a sequential learning pattern, which simply means that the material learned on one day is used the next day and the next day, and so forth. This building block approach to learning mathematics is the reason it is difficult to catch up when you fall behind.
9. Mathematics is a speed subject. College mathematics courses cover twice the material in the same time frame as do high school mathematics courses. Faculty have a certain amount of material to be covered each semester. They have to finish certain chapters because the next course is based on the information taught in this course. Improve your study skills so you can keep up!
10. Another way mathematics is a speed subject is that most of the exams and quizzes are timed and many students think that they will run out of time. Students not only must understand how to do the mathematics problems but also must learn the mathematics well enough to complete the problems with enough speed to finish the test.
11. During the first few days of class, do not take the attitude that “I already know this material” and start to slack off by not taking notes or not completing homework assignments. Good study habits start from the first day of class. Start practicing good study habits now while the material is familiar to you. In that way, those habits will already be a part of your routine when the material becomes more challenging.
12. Take pride in your work and never let yourself fall into the trap of believing that you cannot do mathematics. Virtually everybody can, if he or she is willing to work hard enough. Be persistent and determined in your work.

**College of Southern Maryland**  
**Mth 1105- College Mathematics with Algebra**  
**Assignment Sheet – Spring 2010**

- MTH 1105 includes a review of Algebra and the topics are from **Chapter R Algebra Reference** Sections R.1 – R.6 . Additional topics will be covered in Handouts throughout the course.
- This class will use the TI-83/84 extensively throughout the course. The student is expected to have some skills in its use.
- Before class either **Read the Finite Textbook section pages or view the sections in one or all the multimedia presentation in MyMathLab.** By doing this study skill you will be able to follow the lecture more easily
- The suggested odd numbered homework problems are due the next class meeting.
- The MyMathLab online homework assignments must be completed weekly on the date and time indicated in the Course Lecture Schedule.
- Application Problems are due on the date indicated in the Course Lecture Schedule.

<u>Session</u>	<u>Topic</u>	<u>Assignment</u>
1 Wed. 1/20	R.1 Polynomials (Exclude Examples 3b & 3c) R.2 Factoring (No sum or difference of two cubes) (Examples 1 – 4d) R.3 <b>Omit</b> Rational Expressions	P. xxvii: 1-10 all & 13,14,23,24 P. xxx: 1-27 odd & 31  Preview R.4 – R.6
2 Mon. 1/25	R.4 Equations (Examples 1 – 6b) R.5 Inequalities (Examples 1 & 2 only) R.6 Exponents (Examples 1, 2a-g, 3, & 4 only) R.7 <b>Omit</b> Radicals	P. xxxix-xi: 1-25 odd & 27,28 P. xiv: 1-12 all & 15-25 odd P. i: 1-21 odd, & 29-37 odd Preview Section 1.1 & 1.2 ( Examples 1-3)
3 Wed. 1/27	1.1 Slopes and Equations of Lines 1.2 Linear Functions and Applications (Examples 1-3)	P. 15-17: 1,7,9,11,15,23,27,39,41,45,49,53,55,65,69 P. 28-29: 1,5,7,9,11,13,17,29  <b>MyMathLab online due Mon. 2/1 at 9:59 a.m.</b> <b>Study: Quiz #1 Algebra Review Chapter R</b> Preview Sections 1.2 (Examples 4-7)
4 Mon. 2/1	<b>Quiz #1: Algebra Review Chapter R</b>  1.2 Linear Functions and Applications Examples 4-7	P. 29-30: 15,17,21,25,31,35,39,43  <b>Application Problems #1 (due Wed. 2/3)</b> <b>MyMathLab online due Mon. 2/8 at 9:59 a.m.</b> Preview Sections 1.3 & 2.1 (Examples 1-3 & 5)
5 Wed. 2/3	1.3 The Least Squares Line 2.1 Solution of Linear Systems by the Echelon Method ( Examples 1-3 & 5 two unknowns)	P. 41-47: 1,3,9,11,15 P. 65-67: 3,9,17,37,39  <b>MyMathLab online due Mon. 2/8 at 9:59 a.m.</b> Preview Sections 2.3 & 2.4
6 Mon. 2/8	2.3 Addition and Subtraction of Matrices 2.4 Multiplication of Matrices	P. 91-95: 1,3,5,7,9,11,15,17,21,25,27,43,45 P. 103-107: 3,5,9,11,13,15,19,21,31,33,37,45,51  <b>Application Problems #2 (due Wed. 2/10)</b> <b>MyMathLab online due Mon. 2/15 at 9:59 a.m.</b> Preview Section 2.5

<b>Session</b>	<b>Topic</b>	<b>Assignment</b>
7 Wed. 2/10	2.5 Matrix Inverses	P. 116-118: 3,7,13,21,25,29,33,37,39,59,63,65  <b>MyMathLab online due Mon. 2/15 at 9:59 a.m.</b> Preview Section 3.1 & 3.2
8 Mon. 2/15	3.1 Graphing Linear Inequalities 3.2 Solving Linear Programming Problems Graphically	P. 145-147: 5,15,23,29,39,43 P. 152-154: 3,5,7,11,15  <b>Application Problems #3 (due Wed. 2/17)</b> <b>MyMathLab online due Mon. 2/22 at 9:59 a.m.</b> Preview Section 3.3
9 Wed. 2/17	3.3 Applications of Linear Programming	P. 160-163: 1,3,5,7,13  <b>MyMathLab online due Mon. 2/22 at 9:59 a.m.</b> <b>Quiz #2 Chapter 2 and 3 MyMathLab Online due Tues. 2/23 at 11:59 p.m.</b> Preview Section 5.1 (Examples 1-5)
10 Mon. 2/22	5.1 Simple and Compound Interest (Examples 1-5)  Review Test 1 Chapter 1 - Linear Functions Chapter 2 - Matrix Algebra Chapter 3 - Linear Programming	P. 231-233: 1-23,odd & 37,41 (due session 12)  <b>Study for Test I</b> Pages 50-52: 7,15,27,33,35,41,45,47 Pages 131-136: 15,17,37,45,51,53 Page 165-167: 5,13,15,17,31,33 Additional practice problems in MyMathLab
11 Wed. 2/24	<b>TEST I: Chapter 1-Linear Functions, Chapter 2-Matrix Algebra, and Chapter 3-Linear Programming</b>	Complete assignment for Section 5.1 (See Session 10) Preview Section 5.1 (Examples 6-11) and Section 5.2
12 Mon. 3/1	5.1 Simple and Compound Interest (Examples 6-11) 5.2 Future Value of an Annuity	P. 232-235: 25-35,odd 43-59,odd  P. 243-245: 1,5,9,13,17,19,23,25,29,33,37 39,41,43,47,49,55,59,61,67  <b>Application Problems #4 (due Wed. 3/3)</b> <b>MyMathLab online due Mon. 3/8 at 9:59 a.m.</b> Preview Section 5.3
13 Wed. 3/3	5.3 Present Value of an Annuity; Amortization  Recursive Formula	P. 252-256: 1,5,7,9,13,17,19, 23,25,31,33, 39,41,45,47,51,53  <b>MyMathLab online due Mon. 3/8 at 9:59 a.m.</b> Preview Section 6.1
14 Mon. 3/8	Recursive Formula  6.1 Statements	<b>Application Problems #5 (due Wed. 3/10)</b>  P. 273-276: 1-21 odd, 23,27,29,31,33,35, 39,43,47,49,53,61,63,69,71,81,83 <b>MyMathLab online due Mon. 3/22 at 9:59 a.m.</b> Preview Section 6.2

<b>Session</b>	<b>Topic</b>	<b>Assignment</b>
15 Wed. 3/10	<b>Quiz #3: Chapter 5</b>  6.2 Truth Tables and Equivalent Statements	P. 283-285: 1,3,9,15,17,19,25,27,33,47 <b>MyMathLab online due Mon. 3/22 at 9:59 a.m.</b> Preview Section 6.3
3/17-3/21	Spring Break – college closed	
16 Mon. 3/22	6.3 The Conditional and Circuits	P. 295-298: 1-33 eoo, 39,41,47,53,55,63,69,73,75,83  <b>Application Problems #6 (due Wed. 3/24)</b> <b>MyMathLab online due Mon. 3/29 at 9:59 a.m.</b> Preview Section 6.4
17 Wed. 3/24	Review Test 2 Chapter 5 - Mathematics of Finance Chapter 6 - Logic	<b>Study for Test II</b> Pages 259-263: 1-53 odd,55,59,63,65,67,69 Pages 331-336: 1-11 odd, 15, 23-29 odd, 49,53 Additional practice problems in MyMathLab  <b>Quiz #4 Chapter 6 MyMathLab Online</b> <b>due Sun. 3/28 at 11:59 p.m.</b>
18 Mon. 3/29	<b>TEST II: Chapter 5-Mathematics of Finance and Chapter 6-Logic</b>	Preview Section 7.1
19 Wed. 3/31	7.1 Sets	P. 349-352: 1-53 odd,55,57,67,69,71  <b>MyMathLab online due Mon. 4/5 at 9:59 a.m.</b> Preview Section 7.2 and 7.3
20 Mon. 4/5	7.2 Application of Venn Diagrams  7.3 Introduction to Probability	P. 360-364: 1,5,9,13,17,21,23,25,29,31,33,35,37,41,43,45 P. 371-375: 1-37odd,45,47,51  <b>Application Problems #7 (due Wed. 4/7)</b> <b>MyMathLab online due Mon. 4/12 at 9:59 a.m.</b> Preview Section 7.4 and 7.5
21 Wed. 4/7	7.4 Basic Concepts of Probability  7.5 Conditional Probability; Independent Events	P. 382-390: 3,5,9,11,13,15,19,21,25,27,31,33,35,37,39,47,55,63,69,73 P. 401-408: 1,5,9,13,17,21,29,31,33,45,47,49,71,73,79  <b>MyMathLab online due Mon. 4/12 at 9:59 a.m.</b> Preview Section 7.6 and 8.1
22 Mon. 4/12	8.1 The Multiplication Principle;Permutations	P. 439-442: 1,7,13,15,21,23,29,33,35,39,43,47,49  <b>MyMathLab online due Mon. 4/19 at 9:59 a.m.</b> Preview Section 8.2

<b>Session</b>	<b>Topic</b>	<b>Assignment</b>
23 Wed. 4/14	<i>Quiz #5: Chapter 7</i>  8.2 Combinations	P. 449-452: 3,5,11,17,19,21,31,33,39,41, 45,53 <b>MyMathLab online due Mon. 4/19 at 9:59 a.m.</b> Preview Section 8.3 and 8.4
24 Mon. 4/19	8.3 Probability Applications of Counting Principles 8.4 Binomial Probability (Examples 1 – 4 only)	P. 463-466: 1-15 odd, 19,25,27,37,39,41, 43,45,55  P. 472-477: 1-17 odd, 29,31,37,39  <b>Application Problems #8 (due Wed. 4/21)</b> <b>MyMathLab online due Mon. 4/26 at 9:59 a.m.</b> Preview Section 8.5
25 Wed. 4/21	8.5 Probability Distributions; Expected Value	P. 485-491: 1,3,7,9,13,19,23,31,39,47  <b>MyMathLab online due Mon. 4/26 at 9:59 a.m.</b> <b>Quiz #6 Chapter 8 MyMathLab Online due Tues.4/27 at 11:59 p.m.</b>
26 Mon. 4/26	Review Test 3 Chapter 7 - Sets and Probability Chapter 8 – Counting Principles; Further Probability Topics	<b>Study for Test III</b> Pages 421-428: 1-45 odd, 53-63 odd, 75,83,85,93 Pages 493-499: 1-35 odd, 39-45 odd, 55,63 Additional practice problems in MyMathLab
27 Wed. 4/28	<b>TEST III: Chapter 7-Sets and Probability and Chapter 8-Counting Principles; Further Probability Topics</b>	
28 Mon. 5/3	Review Final Exam	
29 Wed. 5/5	<b>Optional Final Exam</b>	

**\*\* Emergency Use Only \*\***  
**Even numbered textbook problems matching the**  
**MyMathLab graded online Problems**

The Following Problems are to be handed in at the beginning of the class due date and they are to be used only in case of emergency. A written explanation must be attached explaining the emergency use of the following problems. There is no partial credit for solutions and each problem has a 1 point value. All necessary steps must be shown to receive credit.

Topic	Assignment
1.1	14, 30, 42, 50, 70
1.2	4, 8, 30, 24, 36
1.3	6, 10, 12, 22
2.1	6, 16, 38, 40
2.3	20, 28, 42, 46
2.4	18, 22, 44, 50
2.5	24, 34, 36, 60
3.1	8, 24, 32, 42
3.2	6, 8, 12
3.3	10, 16, 24
5.1	8, 22, 24, 28, 36, 40, 62
5.2	16, 22, 26, 28, 32, 54, 58
5.3	4, 12, 22, 30, 34, 46
6.1	4, 14, 26, 28, 46, 52, 84
6.2	4, 12, 18, 28, 36, 50
6.3	6, 14, 20, 26, 40, 50, 84
7.1	40, 44, 66
7.2	12, 22, 26, 60
7.3	16, 28, 40, 48
7.4	28, 44, 56, 70
7.5	4, 8, 20, 72
8.1	2, 6, 20, 34, 42
8.2	12, 18, 24, 30
8.3	6, 20, 26, 38
8.4	2, 12, 16, 40
8.5	4, 10, 22, 52