COLLEGE OF SOUTHERN MARYLAND
COURSE DESCRIPTION AND REQUIREMENTS
MATH 1040 - CONTEMPORARY ALGEBRA Web-Hybrid
Fall 2009

Instructor – Patricia Nickerson

Course Section – MTH-1040-76214

Meeting Time – Fridays 9:00 am – 12:00 pm

Credits: Lecture – 5 credits

Email Address – patn@csmd.edu

Phone Number – 301-934-7809
Please call during my office hours so that we can talk person to person rather than person to machine. If I am not in my office, please leave a message with name and number.
Fax number: 301-934-7683
Emergency Closing: 301-369-1999 or 800-650-4023

Office Location – Room ST 190 except on Mon. and Wed.

Office Hours –

Monday	Tuesday	Wednesday	Thursday	Friday
12:00 – 12:30 p.m.		2:30 – 3:00 p.m.		12:00 – 1:00 p.m.
Waldorf 1030A	4:00 – 5:30 p.m.	Waldorf 1030A		

Other hours can be made available by appointment. Please do not hesitate to ask for an appointment if the above scheduled hours conflict with your class schedule.

Text (Required) - Beginning& Intermediate Algebra, Fourth Edition
by K. Elayn Martin-Gay
MYMATHLAB Student Access Kit

MML course ID – nickerson38285

Additional Material - TI-83/83 plus, or TI-84 Graphing Calculator (Required)
Notebook & 5 x 8 inch index cards (Optional)
Graph Paper & Ruler (Optional)

Prerequisite - MTH 0900 *or* Math Placement Test

Important Dates - September 8: Classes begin for Fall 2009
November 13: Last day to withdraw/change credit to audit status
November 25 – 29 Thanksgiving Break
December 21 : **End of Semester**

Course Description

This is a 5-credit semester course, which presents beginning and intermediate algebra concepts in an application oriented context. The course focuses on using problems drawn from a variety of fields to teach the basic concepts of set notation, geometry, number operations, linear equations, linear inequalities, graphs, functions, quadratic equations and logarithmic functions to develop the student's problem-solving skills. Technology is explored extensively throughout the course with the use of the graphing calculator, in particular the TI-83 plus or TI-84.

Course Objectives

Contemporary Algebra (MTH 1040) does not meet the requirements to be considered a **general education** course for a degree program. It is a prerequisite course to ensure that a student's level of skill and knowledge is raised to allow them a reasonable expectation of success in MTH 1100 or 1105, a general education course. Some programs require the general education courses MTH 1120, 1130, 1150, 2100 or 2300 as the Mathematics requirement for their general education credit. Please note that MTH 1080 may be a prerequisite for most of these courses. MTH 1040 will help a student to succeed in MTH 1080. In preparation of meeting the general studies requirement the student will be introduce to the following topics:

- Review of Real Numbers
- Solving Linear Equations and Inequalities, and Developing Problem Solving Skills
- Graphing Equations of Lines and Defining Relation, Domain, Range and Function
- Learning the Properties of Exponents and Polynomial Operations
- Factoring Polynomials and Solving Quadratic Equations by Factoring
- Solving Equations Containing Rational Expressions
- Solving Systems of Linear Equations by Graphing, Addition, and Substitution
- Understanding Matrices
- Operations Containing Radical Expressions and the Solving Quadratic Equations using the Quadratic Formula
- Solving Exponential and Logarithmic Functions
- Arithmetic and Geometric Sequences
- Solving Problems Containing Geometry Concepts
- Graphing Feasible Sets

Course Materials

Required Materials

1. Textbook: **Beginning & Intermediate Algebra 4th Ed.**
   By K. Elayn Martin-Gay
2. MYMATHLAB Student Access Kit
3. Graphing Calculator - TI-83 plus or TI-84 preferred

Note: - The TI-85, 86, & 89 calculators are not recommended, as they are more difficult to use.
- I will assume the responsibility for being able to advise you on the use of the TI-83/84 graphing calculators. I do not assume the responsibility for other types or brands.

Optional Materials

1. Notebook – to include class notes, handouts, exams, and homework problems, etc. (Three-ring binder preferred)
2. Index cards – 5x8 inch to be used for test notes and straight edge for graphing
3. Graph paper and 6-inch or 12-inch ruler

Course Attendance

Attendance in class is checked and recorded. Regular attendance plays a major role in your success in this class. Should you miss a class, it will be up to you to follow the course outline and keep pace with the class. A Lecture Video Series is available in the MYMATHLAB. If it becomes necessary to cancel a class, for example because of inclement weather, the student should work independently on the assigned topic and homework. Arriving late or leaving a class early should be discussed with the instructor. A habit of always arriving late or leaving early is disruptive and disrespectful to classmates and instructor.

Attendance & Grading

Please note that because this is a community college, I understand that a student may be absent due to sickness, funerals, car trouble, oversleeping, work scheduling problems, childcare problems and etc. Because of these life situations, I do not give excused or unexcused absences. If you are 10 minutes late or leave a class early, you are recorded as absent for that class. However, as an incentive to the student who is on time, does not leave early, and is present for all class meetings, twenty bonus points will be added to their final grade. Ten bonus points will be added if lateness, leaving early, and absence only occurs once in the semester. There is a penalty of ten points deduction per class from the final average for every absence in excess of 2 classes in a semester. If it becomes necessary for you to miss more than 2 classes due to a long term health issue please contact your instructor and provide written documentation.

Grading Policy

Grading Scale		Grading will be a letter grade determined by the following:		
				Points
900 – 1000 A		4 Exams + Final Exam	70%	700 (140 pts each)
800 – 899 B		MML Homework (360 problems	18%	180 (1/2 pt each)
700 – 799 C		12 Classwork Activities –		
600 – 699 D		Quizzes/GroupWorksheets	12%	120 (10 pts each)
0 – 599 F		Total	100%	1000 points
		Attendance	1 or 2%	10 or 20 points

- **Uncollected Homework**
  Each topic is accompanied by a specific list of problems from the text or by worksheets. The primary purpose of the homework is to provide directed practice for the student to strengthen mastery of the algebraic skills from each lesson. The answers to selected problems are found on Pages A1-A48 and G1-52 in the textbook. Students will be given an opportunity to ask questions from the homework in class. Your best preparation for a test is doing the homework problems. The uncollected homework is not graded but is necessary for success in the course.

- **Classwork Activities** – Thirteen in class Quizzes/Group Activity/Worksheets will be given and the best 12 will be scored. The Group/activity worksheets will be done in class by a group of 2 or 3 students who will be responsible for completing application problems in a designated amount of time. Everyone in the group is expected to be involved in the solutions and the same grade will be given to each member of the group on the worksheet as long as everyone in the group participates. The Quizzes are done individually. The lowest classwork score will be dropped.

- **Make ups for in class quizzes and group/activity worksheets** - The lowest quiz or group/activity worksheet grade will be dropped. There are **no** make-up group/activity worksheets or quizzes. If you are absent on a day that a quiz or group/activity worksheet is given, you will receive a grade of **zero** and the zero will be used as your dropped score.

- **MYMATHLAB Graded Weekly Homework** – Graded homework will be completed online in mymathlab.com or coursecompass.com. Please note that the final time for the homework will be 1:00 a.m. on the given due date. If you are unhappy with your score after the first attempt, you may use the similar exercise button and repeat the problem until you get a perfect score. This can be done as many times as necessary but you must complete the assignment by the due date and time.

  MyMathLab is a powerful online, homework, tutorial and assessment system that accompanies your textbook. 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:
  - Video Lectures
  - Online Homework

  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. ***DO NOT CALL THE CSM HELP DESK!!***

  Toll Free: 1-888-695-6577

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

- **Exams** – All Exams will be taken in the testing center in the basement of the LR Building. A picture ID is required. For the 4 Exams, you may use a **5 x 8-inch note card** (front and back) with **handwritten** formulas and notes. A **half of** an 8 x 11½-inch sheet of notebook paper (or equivalent) is also acceptable. Scratch paper will be provided. The note paper and the scratch paper will be turned in with your test. (Remember to put your name on both.) Do not forget to bring a couple of pencils. For the Final Exam, you may use one sheet of notebook paper (front and back).

  Make-Up Exams - If a student misses an exam for a legitimate reason he/she must immediately e-mail the instructor with the legitimate reason for not taking the exam before the deadline and bring the instructor written documentation such as doctors note when the student returns to class. All Make-up Exams will be given in the testing center from Dec. 9 - 11. Students taking a make-up exams will forfeit the use of the above note card/sheet and there is no partial credit given on Make-up exams.

  NOTE: The lowest exam grade may be replaced by the score of the Final Exam.

- **Final Exam –** All students must take the Final exam. The Final Exam may count as two scores. One score will be your Final Exam grade. If the Final Exam score is higher than one of your exam scores, then the Final Exam score will replace the lower exam score.

Student Success

- **Notebooks** – An objective of this course is to strengthen the student's ability to organize and follow directions. To assist with the development of these skills the use of a notebook is strongly recommended.

- **Tutoring/Help**
  An integral part of any math course is receiving individual help when needed from the instructor during office hours or from a mathematics tutor. This may be as important to some individual students as regular class attendance. All students are encouraged to visit or call my office for extra help. My office hours are listed on the first page of this syllabus. The college also offers free tutoring for math courses. **Seek help as soon as you experience any difficulty with the subject matter.**

- **Some Suggestions for Success**
  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 be designed to supplement and not replace your activities that form the learning process. **Students are expected to either watch the video lectures or carefully read the text and work through the examples in each section.** This is your indispensable first step in learning the material. **The next step is to work the homework problems.** It is my opinion that this is the most important aspect of any math course. This is the stage when most of the understanding of the mathematical concepts will occur. The suggested list of homework problems provides direction 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 portion of the beginning of each class will be devoted to the discussion of the homework problems. It is imperative that you find help with the problems that gave you difficulty before the next class meeting. **Seek help as soon as you experience any difficulty with the subject matter.**

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.csmd.edu/studentsuccess/tutoring

TI 83/84 Graphing Calculator Website:

The following URL is a good source for you if you need some help on using the TI-83/84.
http://movies.atomiclearning.com/k12/ti_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.csmd.edu/mth/ti83

MYMATHLAB Website
http://www.mymathlab.com or http://www.coursecompass.com

College Policies

- **Students with Disabilities Act**
  Students needing special accommodations such as seating, larger print, etc. to help meet your needs as described in the Americans with Disabilities Act, please see me immediately with the proper CSM accommodation from so that I may assist you.

- **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.

- **Disruptive Behavior**
  Any student displaying mildly disruptive behavior that interferes with the conduct of the class may be asked to leave the classroom, please do so in a polite manner in order that we may deal with the issues in the privacy of my office.

- **Classroom Guests**
  The College is emphasizing a policy prohibiting students from bringing guests (children) to class. This policy will be strictly followed because of insurance and liability issues.

- **Withdrawal/Audit**
  Important Date: November 13
  It is your responsibility to initiate the paperwork to withdraw or audit a class. Students who abandon a course without withdrawing will receive a grade of "F".
  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.
  My expectations on attendance, homework and in-class requirements are identical for audit and credit students. Any student considering this change in status must have a conference with their instructor prior to making the change. If a student changes to audit and does not attend classes or complete assignments and tests per our written agreement, he/she will have their audit (AU) changed to a Withdrawal (WD).
  If you are considering changing to an audit please see me at least one week before the November 13 deadline.

- **Copyright Law**
  Materials 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. More information about copyright law, from the United States Copyright Office of the Library of Congress, can be found here: http://www.copyright.gov/circs/circ1.html

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/
    - Use online tutoring available at 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.

Contemporary Algebra - Math 1040
Course Schedule – Fall 2009
Beginning & Intermediate Algebra, *Fourth Edition* by K. Elayn Martin-Gay

Session	Topic	Computer Assignment and Other Assignments	Textbook Assignment
1 Fri. 9/11	Chapter 1 Review of Real Numbers Pages 1 - 70 Review Perimeter, Area, Volume, and Surface Area Handout -Exercises on Perimeter, Area, Volume, Surface Area Appendix H Review of Angles, Lines, and Special Triangles (Omit Example 2) Pages 892 – 898 *Have a TI 83 or TI 84 Graphing Calculator by Session 2!*	*Video Lecture Chapter 1* MML **Chapter 1 Homework MML** (due 9/18) Appendix H: Pages 897-898: 1-11, odd and 15 -33, odd ***Classwork 1 Graded Handout from textbook Page 6: 1-22, all**	Read Chapter 1 Pages 1 – 70 Chapter 1 Review Pages 69-71: 1-123, odd *Preview: Chapter 2 Introduction Page 73* *Highlights Pages 154-159*
2 Fri. 9/18	Chapter 2 Equations, Inequalities, and Problem Solving **Classwork 2 Quiz Solving Linear Equations** Handout -Arithmetic Operations and the TI-83 Plus (thru ARITHMETIC OPERATIONS) Calculator Explorations Page 31: 1-10, all Page 55: 1-10, all	*Video Lecture Chapter 2* MML **Chapter 2 Homework MML** (due 9/25)	Read Chapter 2 Pages 73 - 159 Chapter 2 Review Pages 159 – 162: 1 – 115, odd *Preview: Chapter 3 Introduction Page 165* *Highlights Pages 234-236*

Session	Topic	Computer Assignment and Other Assignments	Textbook Assignment
3 Fri. 9/25	**Classwork 3 Chapter 2 Problem Solving Linear Equations (Group worksheet)** Review Exam 1 **<u>Exam 1 Chapters 1, 2, Appendix H and Geometry & Technology Handouts</u> to be taken in the testing center in the basement of the LR building by Tues. Sept. 29** Chapter 3 Graphing 3.1 - 3.3	*Study for Exam 1* Chapters 1, 2, Appendix H and Geometry & Technology Handouts **<u>Exam 1 Chapters 1, 2, Appendix H and Geometry & Technology Handouts</u> by Tues. Sept. 29** *Video Lecture Chapter 3* MML *Sections 3.1 - 3.3* **Chapter 3 Homework MML (3.1-3.3)** (due 10/2)	Chapter 1 Test Pages 72: 1-38, all Chapter 2 Test Page 162: 1-25, all Read Chapter 3 Pages 165 – 195 Chapter 3 Review Pages 238 – 239: 1 – 39, odd *Preview: Chapter 3 & 4* *Highlights Pages 237-238* *Introduction Page 245* *Highlights Pages 292-293*
4 Fri. 10/2	Chapter 3 Graphing and Introduction to Functions Sections 3.4 – 3.6 Graphing Calculator Explorations Page 187 Graphing Calculator Explorations Page 208 Technology – Using the TI 83 Graphing Calculator to solve graphing problems Appendix D Pages 872 - 876 **Classwork 4 Quiz Graphing** Chapter 4 Solving Systems of Linear Equations Sections 4.1 – 4.3	*Video Lecture Chapter 3* MML *Sections 3.4 – 3.6* **Chapter 3 Homework MML (3.4-3.6)** (due 10/9) *Video Lecture Chapter 4* MML *Sections 4.1 – 4.3* **Chapter 4 Homework MML (4.1-4.3)** (due 10/9)	Read Chapter 3 Pages 199 – 238 Chapter 3 Review Pages 239 – 242: 41 – 127, odd Read Chapter 4 Pages 246 - 265 Sections 4.1 – 4.3 Chapter 4 Review Pages 295 - 296: 1 – 27, odd *Preview: Chapter 4 & 5* *Highlights Pages 295* *Introduction Page 300* *Highlights Pages 358-360*

Session	Topic	Computer Assignment and Other Assignments	Textbook Assignment
5 Fri. 10/9	Chapter 4 Solving Systems of Linear Equations Section 4.5 **Classwork 5 Problem Solving Systems of Linear Equations (Group worksheet)** Chapter 5 Exponents and Polynomials	*Video Lecture Chapter 4* MML *Section 4.5 (Omit Example 7)* **Chapter 4 Homework MML (Section 4.5)** (due 10/16) *Video Lecture Chapter 5* MML *Sections 5.1 - 5.2, all examples* *Section 5.3 examples 1-6* *Section 5.4 examples1-7a,b,c* *Section 5.5, all examples* *Section 5.6, examples 1-3* **Chapter 5 Homework MML** (due 10/16)	Read Chapter 4 Pages 275 - 283 Section 4.5 (Omit Example 7) Chapter 4 Review Pages 296: 37-41, odd Read Chapter 5 Pages 300–347 Sections 5.1 - 5.2, all examples Section 5.3 examples 1-6 Section 5.4 examples1-7a,b,c Section 5.5, all examples Section 5.6, examples 1-3 Chapter 5 Review Pages 361 – 363: 1 – 67 odd, 75-121 odd *Preview: Chapter 6 Introduction Page 366* *Highlights Pages 424-425*
6 Fri. 10/16	Handout Matrices **Classwork 6 Matrices** Review for Exam 2 Chapters 3,4,5, and Matrix Handouts **Exam 2 Chapters 3, 4, 5, and Matrices Handouts to be taken in the testing center in the basement of the LR building by Tues. Oct. 20** Chapter 6 Factoring Polynomials 6.1 – 6.3	*Study for Exam 2* Chapters 3,4,5, & Matrix Handouts **Exam 2 Chapters 3, 4, 5, and Matrices Handouts by Tues. Oct. 20** *Video Lecture Chapter 6* MML *Sections 6.1 - 6.3, all examples* **Chapter 6 Homework MML (Sections 6.1-6.3)** (due 10/23)	Chapter Test 3 Pages 242: 1-29 Chapter Test 4 Pages 297: 1-17 Chapter Test 5 Pages 363-364: 1-28 all,31 Read Chapter 6 Pages 366 - 387 Sections 6.1 - 6.3 Chapter 6 Review Pages 428: 1-25 odd *Preview: Chapter 6 & 7 Highlights Pages 426-427* *Introduction Page 432*

Session	Topic	Computer Assignment and Other Assignments	Textbook Assignment
7 Fri. 10/23	Chapter 6 Factoring Polynomials 6.4 all examples & 6.5 (Examples 1-7 only) **Classwork 7 Quiz Factoring (6.1 -6.3)** Chapter 6 Factoring Polynomials 6.4 – 6.7 all examples Chapter 7 Rational Expressions 7.1 – 7.3	*Video Lecture Chapter 6* MML *Section 6.4, 6.5(Examples 1-7 only) and 6.6 – 6.7, all examples* **Chapter 6 Homework MML (Sections 6.4 – 6.7)** (due 10/30) *Video Lecture Chapter 7* MML *Sections 7.1 - 7.3, all examples* **Chapter 7 Homework MML (Sections 7.1 – 7.3)** (due 10/30)	Read Chapter 6 Pages 390 - 419 Section 6.4, 6.5(Examples 1-7 only) & 6.6 – 6.7, all examples Chapter 6 Review Pages 428 - 430: 27-33, 39, & 41-97, odd Read Chapter 7 Pages 432 - 455 Sections 7.1 - 7.3, all examples Chapter 7 Review Pages 497: 1–33 odd *Preview: Chapter 7, 8 & 9* *Highlights Pages 494-496* *Introduction Page 501* *Highlights Page 535* *Introduction Page 541* *Highlights Page 571-573*
8 Fri. 10/30	**Classwork 8 Problem Solving Quadratic Equations using Factoring (Group worksheet)** Chapter 7 Rational Expressions 7.5 – 7.6 Section 8.1 Graphing and Writing Linear Functions Section 9.2 Absolute Value Equations (Examples 1–7) Section 9.4 Graphing Linear Inequalities In Two Variables And Systems of Linear Inequalities	*Video Lecture Chapter 7* MML *Section 7.5 examples 1, 2, 3, 5, 6* *Section 7.6, all examples* *Video Lecture Section 8.1* MML **Chapter 7 Sections 7.5-7.6 & Section 8.1 Homework MML** (due 11/6) *Video Lecture Section 9.2 Examples 1-7 & 9.4 all* MML **Chapter 9.2 & 9.4 Homework MML** (due 11/6)	Read Chapter 7 Pages 465 - 479 Section 7.5 examples 1,2,3,5,6 Section 7.6, all examples Read Section 8.1 Pages 501-506 Chapter 7 Review Pages 497 – 498: 47, 51-67 odd Section 8.1 Review Pages 537: 1 – 25, odd Read Section 9.2 Pages 549-552 Read Section 9.4 Pages 561-566 Chapter 9 Review Pages 574: 7 – 15, odd and 29 – 39, odd

Session	Topic	Computer Assignment and Other Assignments	Textbook Assignment
9 Fri. 11/6	**Classwork 9 Quiz Rational Expressions** Handout - Solving Optimization Problems Review for Exam 3 Chapters 6, 7, 8.1, 9.2 & 9.4, and Optimization Handout **<u>Exam 3 Chapters 6, 7, 8.1, 9.2 & 9.4, and Optimization Handout</u> to be taken in the testing center in the basement of the LR building by Tues. Nov. 10** **Classwork 10 Optimization Problems take home Due Fri. Nov 20.** **Instructor will be attending a Mathematics Conference and no class on Fri. Nov. 13.** **Students may attend Tuesday, Nov. 10 at the La Plata Campus in ST 141**	*Study for Exam 3* Chapters 6, 7, 8.1, 9.2 & 9.4, and Optimization Handout **<u>Exam 3 Chapters 6, 7, 8.1, 9.2 & 9.4, and Optimization Handout</u> by Tues. Nov. 10** **Classwork 10 Optimization Problems take home Due Fri. Nov 20.**	Chapter 6 Test Pages 430: 1-16,19-29 Chapter 7 Test Pages 499: 1-4, 6-11, 14,16,17,23-27 Chapter 8 Test Page 538-539: 5-13,18 Chapter 9 Test Page 574: 1,2,11,14,15,16,17 *Preview: Chapter 10 & 11* *Introduction Page 577* *Highlights Pages 635-637* *Introduction Page 644* *Highlights Pages 698-699*

Session	Topic	Computer Assignment and Other Assignments	Textbook Assignment
10 Fri. 11/13 **No Class** Student may attend Tues. 11/10 ST 141 5:45 – 8:45 pm	**Classwork 10 Optimization Problems take home Given out on Friday 11/6 and due Friday 11/20** Chapter 10 Rational Exponents and Radicals 10.1 – 10.3, & 10.6 11.2 Solving Quadratic Equations by the Quadratic Formula (Examples 1,2,3,5,6,7) 11.3 Solving Equations by Quadratic Methods (Example 6 and 7)	*Video Lecture Chapter 10 MML* *Section 10.1 Examples 1-6* *Section 10.2 Examples 1-4* *Section 10.3 Example 1-5* *Section 10.6 Examples 1,2,3,6,7* **Chapter 10 Homework MML (Sections 10.1 – 10.3 & 10.6)** (due 11/20) *Video Lecture Chapter 11 MML* *Section 11.2 Examples 1-3 & 5-7* *Section 11.3 Examples 6 & 7* **Chapter 11(11.2 & 11.3) MML** (due 11/20)	Read Section 10.1 Pages 578 – 582 Examples 1-6 Section 10.2 Pages 586 – 589 Examples 1-4 Section 10.3 Pages 593 – 597 Example 1-5 Read Section 10.6 Pages 616 – 622 Examples 1,2,3,6,7 Chapter 10 Review Pages 638 – 640: 1 – 23, odd, 26 – 46, odd 49 – 70, odd & 114 – 116 all, & 120-122, all Read Section 11.2 Pages 654-660 Examples 1,2,3,5,6,7 Read Section 11.3 Pages 668-670 Examples 6 & 7 Chapter 11 Review Pages 696 – 697: 15–25, odd & 27,28,39,40 *Preview: Chapter 12 Introduction Page 705* *Highlights Pages 759-760*

Session	Topic	Computer Assignment and Other Assignments	Textbook Assignment
11 Fri. 11/20	**Classwork 11 Quiz Radicals** 12.3 Exponential Functions 12.4 Logarithmic Functions 12.5 Properties of Logarithms Power Property (Example 1 - 3 only) 12.6 Common Logarithms, Natural Logarithms, and Change of Base Examples 1-3 & 9 9.1 Compound Inequalities (Example 1 and 6) Intersection and Union Handout - Venn Diagrams Examples 1 to 5	*Video Lecture Chapter 12 MML* *Section 12.3* *Section 12.4* *Section 12.5 Example1 – 3 only* *Section 12.6 Examples 1-3 & 9* **Chapter 12 (12.3 – 12.6) MML** (due 12/4) *Video Lecture Chapter 9.1Example 1 & 6 MML* **Chapter 9 Section 9.1 MML** (due 12/4)	Read Section 12.3 Pages 722-727 Read Section 12.4 Pages 730-735 Read Section 12.5 Page 738 – 739: Examples 1 – 3 Read Section 12.6 Pages 744 – 747 Examples 1-3 & 9 Chapter 12 Review Pages 761 – 762: 33 -63, odd, 65–79, odd & 83,93,94 *Preview: Chapter 14 Introduction Page 801* *Highlights Pages 830-831*
12 Fri. 12/4	**Classwork 12 Quiz Quadratic Formula & Exponential & Logarithmic Functions** Review for Exam 4 Chapters 10, 11, 12, and 9.1 & Venn Diagram Handout **<u>Exam 4 Topics from Chapters 10,11,12,& 9.1 Venn Diagram Handout</u> to be taken in the testing center in the basement of the LR building by Tues. Dec. 8** Chapter 14 is included on the Final Exam 14.1 Sequences 14.2 Arithmetic Sequences Examples1-3, 5 Geometric Sequences Examples 6-8,10 14.4 Partial Sums Examples 1-5	*Study for Exam 4* Chapters 10, 11, 12, and 9.1 & Venn Diagram Handout **<u>Exam 4 Topics from Chapters 10,11,12,& 9.1 Venn Diagram Handout</u> by Tues. Dec. 8** *Video Lecture Chapter 14 MML* *Section 14.1* *Section 14.2Examples 1-3,5-8,10* *Section 14.4 Examples 1 – 5* **Section 14 Homework MML** (due 12/11)	Chapter 10 Test Page 641: 1-10,20,21,23,24,31 Chapter 11 Test Page 702-703: 1,2,4,5,6, 21,23 Chapter 12 Test Page 764: 12-17, 25-28 Read Section 14.1 Pages 802-804: Read Section 14.2 Pages 805-810: Examples 1-3,5-8,10 Read Section 14.4 Pages 818 – 821 Examples 1 – 5 Chapter 14 Review Page 832-835: 1-30,47-54

Session	Topic	Computer Assignment and Other Assignments	Textbook Assignment
13 Fri. 12/11	Handout Recursive Formula *Final Exam Review*	**Classwork 13 Sequences and Recursive Formula** (due 12/18)	Chapter 14 Test Page 834-835: 1-6, &13-17
14 Fri. 12/18	**Final Exam**		