

**Description:** The course introduces the students to important concepts and techniques required for further study in Mathematics. These include methods for solving equations; functions and their properties; elementary functions including exponential, logarithmic, polynomial and rational; matrices. This course is web-based and content is given in animations, video, power point slides and online homework exercises. This course requires the student to work independently so you can control the amount of time spent on the course as well as the pace. But please, keep in mind that you still have to complete the course syllabus by the end of the semester.

**Prerequisite:** Intermediate algebra or 2 years of High School algebra.

**Required Materials:**

1. College Algebra - Online Version, Lial, Hornsby and Schneider.

Note: There are two textbooks for College Algebra, so please make sure you purchase the online version. Also, this is a custom textbook, so it is not available used.

2. Student Access Kit - This is pre-packaged with the book. It contains a student access code that you will use to register online for the course.

3. Basic scientific calculator: The Texas Instruments TI-30XA is recommended.

**Note: Graphing, programmable or symbolic manipulation calculators are not allowed.**

**Computer and Internet Requirements:**

See the attached sheet for information on how to register for your course. Please use your NID as a login name. To access MyMathLab on your personal computer, you will need to install some basic browser plug-ins (an installation wizard will guide you).

You also may work on your course in the following campus computer labs:

**Note: If you want to hear the audio you will need to bring standard headphones or earbuds with you to the labs.**

**Mathematics Computer Lab**

Location: MAP110; Hours: Monday through Friday 7:30 AM - 5:30 PM

**Classroom Lab**

Location: CL1-101; Hours: Monday through Thursday: 8:00 AM to 8:00 PM.; Friday: 8:00 AM to 5:00 PM.

**Main Lab East - CyberKnight Center**

Location: CC2-113; Hours: Sunday Noon to Friday Midnight; Saturday: 8:00 AM to 6:00 PM.

**Main Lab West**

Location: CC2-104; Hours: Sunday: Noon to Midnight; Monday through Thursday: 7:00 AM to Midnight; Friday: 7:00 AM to 5:00 PM.; Saturday 10:00 AM to 6:00 PM

## **Magruder Lab**

Location: BA-148; Hours: Sunday: Noon to Midnight; Monday through Thursday: 7:00 AM to Midnight; Friday: 7:00 AM to 5:00 PM Saturday: 10:00 AM to 6:00 PM

### **How the Course Works:**

1. Buy the text/access kit.
2. Register online (See attached for details).
3. Start working through the online homework and quizzes. Due dates are given online.
4. Make use of online animation, videos etc to learn the material.
4. If you want to get help in person attend any of the scheduled classes in MAP110.
5. Attend all tests in MAP110 at your scheduled time.
6. Take the final exam.

### **Registration:**

When you purchase the textbook you will also get an access kit. Follow the directions given in that access kit. Registration is at <http://www.coursecompass.com>. You will need the Course ID when you register.

### **MAP110 Schedule:**

Along with the online content available to you for learning the material, you may also attend mini-lectures and chapter reviews given by various instructors in room MAP110. These are completely optional but you may find them helpful as you can ask any questions you might have. **Click on MAP110 Schedule** so you can look at a pdf file that gives the topics for each time in the schedule.

**Online Homework:** There is an online homework assignments for every section covered in the course. Completion dates are given online. **Click on Do Homework** to work on currently assigned homework. (15% of grade)

**Quizzes:** There will be online quizzes, each based on about three sections of the text. These will be assigned online. **Click on Take a Quiz** to work on a currently assigned quiz. (15% of grade)

### **Textbook Homework:**

There is suggested homework assigned from the textbook. This homework will not be graded. If you need more practice you may work on these.

### **Sample Tests:**

On MyMathLab, there are two sample tests available for each chapter in this course. These are practice tests only and should not be considered to be a template for the actual exams. **Click on Take a Quiz** to work on a sample test. These are specifically for practice and do not count toward your grade.

**Exams:** There are four 50-minute tests throughout the semester. The lowest test grade (of the four 50-minute tests) is dropped, and the average of your three highest test grades will constitute 50% of your course grade. There will a 170-minute comprehensive final exam

that counts for 20% of your grade. You must have a picture ID (either your student ID or a driver's license) to take each of the tests. **THERE WILL BE NO MAKE-UP TESTS.** If you miss one test, that will be the one dropped. If you miss more than one, any beyond the first will be counted as zero. (Exceptions may be made for official University related absences) All tests are in MAP110 and must be taken in the section in which you are registered. Final exam time and place will be announced online.

**Grade:** Four Exams 50%, Homework Assignments 15%, Quizzes 15% Final Exam 20%. The following grade scale will be used: 0-49 F, 50-69 NC if applicable, 70-79 C, 80-89 B, 90-100 A.

If you take all tests and quizzes including the final exam, have a final average of at least 50%, and have at least a 70% MyMathLab homework average, then No Credit (NC grade) will be awarded in place of an F.

**Important Dates:**

Late Registration and Add/Drop - August 22-26.

Withdrawal Deadline - October 14

Thanksgiving Vacation - November 24-27

**Note:** All information in this syllabus is subject to change. Any changes will be given in writing.

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R.3: 3, 7, 13, 23, 27, 31, 41, 49, 71, 77  
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R.5: 3, 11, 17, 25, 31, 37, 39, 51, 57, 63, 65, 69  
R.6: 3, 13, 17, 25, 39, 43, 51, 63, 73, 85, 91  
R.7: 5, 9, 17, 29, 37, 39, 51, 63, 75, 87

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1.2: 11, 21, 27, 33, 35, 39, 43, 45  
1.3: 9, 15, 17, 21, 25, 31, 37, 43, 51, 61, 73, 77, 87, 93  
1.4: 15, 17, 23, 25, 31, 37, 54, 59, 65, 73  
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1.8: 7, 17, 29, 37, 41, 55, 57, 61, 77, 85

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2.2: 11, 17, 19, 21, 25, 31, 33, 37, 47, 49, 63, 69, 75, 79  
2.3: 11, 17, 25-28, 37, 41, 45, 55, 57, 60, 63, 71, 75  
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3.2: 5, 9, 15, 21, 23, 31, 35, 41, 49, 55  
3.3: 9, 11, 17, 19, 27, 29, 33, 47, 57, 59, 65  
3.4: 1, 11, 23, 25, 31, 37, 43, 45  
3.5: 11, 13, 15, 19, 27, 31, 33, 35, 39, 41, 51, 59, 61  
3.6: 11, 17, 25, 31, 33, 39

4.1: 5, 7, 9, 13, 37, 41, 49, 53, 59, 61, 67, 75  
4.2: 9, 15, 21, 27, 29, 45, 47, 49, 53, 63, 67  
4.3: 5, 7, 15, 21, 25, 27, 33, 37, 41, 57, 63, 67, 71, 73  
4.4: 1, 9, 13, 19, 27, 35, 41, 47, 51, 61  
4.5: 1, 9, 13, 17, 21, 31, 45, 55, 67, 71  
4.6: 5, 9, 11, 15, 19, 25, 33, 39

5.1: 1, 7, 11, 19, 21, 29, 31, 33, 49, 55, 59, 67  
5.2: 1, 7, 9, 19, 21, 31, 33, 49, 53  
5.5: 1, 15, 25, 29, 39, 49, 53