

# Syllabus

**MATHEMATICS 150 / [MW PM – PURPLE CLASS] INTERMEDIATE ALGEBRA (CRN # 30319)**  
**SPRING 2011 SEMESTER (February 23 – June 16)**

**Instructor: Mr. Rob Everest**

**Class Location:** MA 206, MW 1:05pm-3:35pm

**Textbook:** **Intermediate Algebra, 10<sup>th</sup> edition** (Lial, Hornsby & McGinnis),  
**(bundled with a MyMathLab Student Access Code)**

**Office Location: MA 214**

**Telephone: (626) 852-8054**

**Office Hours : M-Th 11:30am-12:30pm & MW 3:45pm-4:30pm**

**E-mail: [reverest@citruscollege.edu](mailto:reverest@citruscollege.edu)**

**Websites:**

**<http://www.citruscollege.edu/academics/courses/everest/Pages/default.aspx>  
& <http://www.matheverest.com>**

This semester you will delve further into the study of algebra. Curriculum includes linear equations/ inequalities; graphs; function notation and terminology; systems of equations; polynomials; rational expressions/functions; radical expressions/functions, quadratic equations/inequalities, inverse, exponential and logarithmic functions; conic sections; binomial theorem ; and technological integration.

**Accommodation:** If any student is in need of an accommodation due to a documented disability, the student must notify the instructor within the first two weeks of class in order for the proper arrangements to be made.

## **Attendance/Participation:**

- Three tardies equals one absence. You are considered tardy if you are not present in class for between five minutes up to half of the minutes of any class, regardless as to whether that means you missed the beginning of class, part of the middle of class, or you left early. Each tardy deducts 2 points from your participation grade.
- You are considered absent from any class, if you do not attend for at least half of that one session. Three absences are allowed through the eight-week drop date. If you accrue more than these three allowable absences (four or more) during the first eight weeks of the semester, you will be automatically dropped from the class. If two of these allowed absences occur in the first two weeks of class, you will be dropped from the class. During the second half of the semester, three more absences are allowed before receiving an automatic fail. Each absence deducts seven points from your participation grade. Missing an exam, without previously informing the instructor, may result in your being dropped from the class.
- Deliberate distractions from class, like sleeping in class; cell phones going off, **text messaging**; not having your textbook, notebook and writing utensils; doing your homework in class; etc., will not be tolerated. Each deliberate distraction from class deducts 2 points from your participation grade, and you will need to leave the room until allowed back in the classroom. A second deliberate distraction in the same class period will be met with dismissal from class the entire day, which means a 7 point participation grade deduction.

## **Grading :**

Individual tests 30%

Quizzes 15%

Final Exam 25%

MyMathLab.com Homework 20%

Participation 10%

## **Grading Scale :**

89.5% - 100% "A"

59.5% - 69.4% "D"

79.5% - 89.4% "B"

0% - 59.4% "F"

69.5% - 79.4% "C"

## Exams

- Quizzes can be announced or not. If a student is not present either the day that a take-home quiz is passed out, or the day that it is due, the student will not receive credit for that quiz, unless previous arrangements have been made with the instructor. **All take-home quizzes are to be done (on your own) independently; that is without help from anyone, including other classmates and tutors.** Any form of group work on take-home quizzes will be treated as cheating, and dealt with appropriately.
- Four individual exams will be administered during the semester at approximate three to four week intervals.
- Missing an exam, without previously informing the instructor, may result in either your being dropped from the class, or your failing of the class. At the least, you will receive a zero on that exam. **If the missed exam is the first or second exam, you will automatically be dropped from the class.**
- **FINAL EXAM DATE: Monday, June 13th, 2011, 1:00 pm – 3:00 pm**

## Homework :

- Homework (HW) is to be done digitally within our MyMathLab.com class : **everest34135** , **which has the course name : “Spring 2011 MW PM – PURPLE CLASS Math 150 - CRN 30319 MML Class - Everest”**
- You need a MyMathLab Student Access Code , if you have obtained a book without the student access code.
- They can be purchased on-line @ : [https://register.pearsoncmg.com/reg/newcourseenroll/CourseIDInput.jsp?NO\\_SMSUSERID\\_REQ=true](https://register.pearsoncmg.com/reg/newcourseenroll/CourseIDInput.jsp?NO_SMSUSERID_REQ=true) for \$75 . The screen should look like this :

The screenshot shows the CourseCompass interface. At the top, it says 'PEARSON CourseCompass™ Powered by Blackboard™'. Below that is a 'Product Selection' section with a search bar for 'Course ID'. The user has entered 'everest34135' and clicked 'Find Course'. The system has returned the following course details: 'Course: everest34135 - Spring 2011 MW PM - PURPLE CLASS Math 150 - CRN 30319 MML Class - Everest', 'End Date: May 12, 2012', 'Instructor: Instructor Robert Everest', and 'Instructor's Email: reverest@citruscollege.edu'. Below this is an 'Enrollment Options' section with two radio buttons: 'Access Code' (unselected) and 'Buy Now' (selected). A 'Buy' button is visible next to the 'Buy Now' option. The course title and price are listed at the bottom: 'MyMathLab powered by CourseCompass for Intermediate Algebra 10th Edition by Lial, Hornsby, and McGinnis \$78.00 USD'.

After you have entered our course ID (**everest34135**) and clicked on the radio button called “Buy Now” , located below the Enrollment Options Bar

- The Homework assignments are available off the “**HOMEWORK**” button, and have names like “MML Sec 1.1 Basic Concepts”, “MML Sec 1.2 Operations On Real Numbers”, and “MML Sec 1.4 Properties of Real Numbers”. All of the homework assignments cover just a section from within a chapter from our textbook.
- The course ID is : **everest34135** (do not put a space between the “everest” & “34135”)

- **Deadlines for the 49 MyMathLab homework assignments (by individual section) are as follows:**

Due 🕒	Assignment
03/06/11 11:59pm	H <a href="#">MML Orientation</a>
03/06/11 11:59pm	H <a href="#">MML Sec 1.1 Basic Concepts</a>
06/17/11 11:59pm	H <a href="#">MML Sec 1.2 Operations On Real Numbers</a>
06/17/11 11:59pm	H <a href="#">MML Sec 1.3 Exponents, Roots &amp; OrderOfOperations</a>
03/06/11 11:59pm	H <a href="#">MML Sec 1.4 Properties of Real Numbers</a>
03/06/11 11:59pm	H <a href="#">MML Sec 2.1 Linear Equations in One Variable</a>
03/06/11 11:59pm	H <a href="#">MML Sec 2.2 Formulas &amp; Percents</a>
03/06/11 11:59pm	H <a href="#">MML Sec 2.3 Applications of Linear Equations</a>
03/06/11 11:59pm	H <a href="#">MML Sec 2.5 Linear Inequalities in One Variable</a>
03/06/11 11:59pm	H <a href="#">MML Sec 2.6 SetOperations &amp; Compound Inequalities</a>
03/08/11 11:59pm	H <a href="#">MML Sec. 2.7 Abs. Value Equations &amp; Inequalities</a>
03/08/11 11:59pm	H <a href="#">MML Sec 3.1 The Rectangular Coordinate System</a>
03/08/11 11:59pm	H <a href="#">MML Sec. 3.2 The Slope of a Line</a>
03/13/11 11:59pm	H <a href="#">MML Sec 3.3 Linear Equations in Two Variables</a>
03/15/11 11:59pm	H <a href="#">MML Sec. 3.5 Introduction to Functions</a>
03/20/11 11:59pm	H <a href="#">MML Sec 4.1 Systems of Linear Equations</a>
03/22/11 11:59pm	H <a href="#">MML Sec. 4.3 Applications of Systems of Equations</a>
03/22/11 11:59pm	H <a href="#">MML Sec 5.1 Integer Exponents</a>
03/22/11 11:59pm	H <a href="#">MML Sec. 5.2 Adding &amp; Subtracting Polynomials</a>
03/27/11 11:59pm	H <a href="#">MML Sec 5.3 Polynomial Functions</a>
03/27/11 11:59pm	H <a href="#">MML Sec 5.4 Multiplying Polynomials</a>
03/29/11 11:59pm	H <a href="#">MML Sec 5.5 Dividing Polynomials</a>

03/29/11 11:59pm	H <a href="#">MML Sec 6.1 Factoring</a>
03/29/11 11:59pm	H <a href="#">MML 6.2 - Factoring Trinomials</a>
04/03/11 11:59pm	H <a href="#">MML Sec. 6.3 Special Factoring</a>
04/03/11 11:59pm	H <a href="#">MML Sec 6.4 General Approach to Factoring</a>
04/03/11 11:59pm	H <a href="#">MML Sec 6.5 Solving Equations by Factoring</a>
04/10/11 11:59pm	H <a href="#">MML Sec 7.1 Multiply &amp; Divide Rationals</a>
04/10/11 11:59pm	H <a href="#">MML Sec 7.2 Add &amp; Subtract Rationals</a>
04/12/11 11:59pm	H <a href="#">MML Sec 7.3 Complex Fractions</a>
04/12/11 11:59pm	H <a href="#">MML Sec 7.4 Equations with Rational Expressions</a>
04/24/11 11:59pm	H <a href="#">MML Sec 7.5 Applications of Rational Expressions</a>
04/24/11 11:59pm	H <a href="#">MML Sec 7.6 - Applications with Rationals</a>
04/26/11 11:59pm	H <a href="#">MML Sec 8.1 Radical Expressions &amp; Graphs</a>
04/26/11 11:59pm	H <a href="#">MML Sec 8.2 Rational Exponents</a>
05/01/11 11:59pm	H <a href="#">MML Sec 8.3 Simplify Radical Expressions</a>
05/01/11 11:59pm	H <a href="#">MML Sec. 8.4 Add &amp; Subtract Radicals</a>
05/01/11 11:59pm	H <a href="#">MML Sec 8.5 Multiply &amp; Divide Radicals</a>
05/03/11 11:59pm	H <a href="#">MML Sec 8.6 Equations with Radicals</a>
05/03/11 11:59pm	H <a href="#">MML Sec 8.7 Complex Numbers</a>
05/10/11 11:59pm	H <a href="#">MML Sec. 9.1 Square Root Property &amp; CTS</a>
05/10/11 11:59pm	H <a href="#">MML Sec. 9.2 Quadratic Formula</a>
05/15/11 11:59pm	H <a href="#">MML Sec. 9.3 Equations that are Quadratic in Form</a>
05/15/11 11:59pm	H <a href="#">MML Sec. 9.4 Formulas &amp; Further Applications</a>
05/17/11 11:59pm	H <a href="#">MML Sec 9.5 Graphs of Quadratic Functions</a>
05/17/11 11:59pm	H <a href="#">MML Sec 9.6 More on Parabolas</a>
05/22/11 11:59pm	H <a href="#">MML Sec 10.1 Inverse Functions</a>
05/24/11 11:59pm	H <a href="#">MML Sec. 10.2 Exponential Functions</a>
05/24/11 11:59pm	H <a href="#">MML Sec 10.3 Logarithmic Functions</a>
05/31/11 11:59pm	H <a href="#">MML Sec. 10.4 Properties of Logarithms</a>
06/05/11 11:59pm	H <a href="#">MML Sec. 10.5 Common Logs &amp; Natural Logs</a>
06/05/11 11:59pm	H <a href="#">MML Sec.10.6 Exponential &amp; Logarithmic Equations</a>

- **You have an unlimited number of attempts for each problem. By the end of the semester, I will drop the lowest five (5) scores of these 49 MyMathLab homework assignments, in computing your MyMathLab homework average.**

### **Calculator:**

A **scientific calculator** with logarithmic and natural logarithm keys is **required**. These kind of calculators are affordable (in the \$10-\$20 range) and are available in almost all stores that sell electronic devices, and are characterized by having the trigonometric functions; that is, the “sin”, “cos”, and “tan” buttons. A graphing calculator (many versions/models available) is allowed, but **graphing calculators cannot be used as your sole method of solving problems**. You must be able to simplify & solve problems by “pencil and paper methods”, as modeled in class. Both the textbook and the instructor will be using the **TI-84 Plus** (from Texas Instruments, available at many stores that sell electronic devices, and costs around \$100) to model the analysis of algebraic problems with the use of handheld technology. Most students find that the utility, while using these very handy tools, far outweigh the extra amount of money spent. You are to use these graphing calculators though to check the answers that you simplified/solved through pencil and paper methods. You will find examples of the use of these graphing calculators in almost every chapter of the textbook. **TI-89’s and TI-92’s are only allowed once cleared with the instructor!** Check your calculator, and come talk to Mr. Everest, if you have a TI-89 or a TI-92.

**Behavior:** General school policies apply. **All work is to be completed individually**, unless otherwise directed by the instructor. **Cheating consequences range from a zero on the assignment to an “F” in the class**. All matters concerning student behaviors and disciplinary issues are subject to the outlined principles in the student handbook.

**General announcements:** **All work** (quizzes, tests, and homework) **should be done in pencil**, and should be ready to be turned in at the beginning of the class in which it is due. **All applicable steps (solutions/work) need to be shown. No late work will be accepted. All graphing needs to be done on graph paper.** All dates listed in the regular schedule apply. There will be “no record” shown, if you drop this class by the **Tuesday of the 4<sup>th</sup> week, (March 15th, 2011)**. If this class is dropped on or before the **Saturday of the 8<sup>th</sup> week (right before Spring Break), (April 16th, 2011)**, you will receive a “W” (withdrawal) on your transcript. After the “W” deadline, the student will receive the applicable letter grade. **No food or drink are allowed in class, except water in a closable container.**