

Syllabus

MATHEMATICS 150 / [MW AM – BLUE CLASS] INTERMEDIATE ALGEBRA (CRN # 30929)
SPRING 2011 SEMESTER (February 23 – June 16)

Instructor: Mr. Rob Everest

Class Location: MA 207, MW 8:50am-11:20am

Textbook: Intermediate Algebra, 10th 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

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: Wednesday, June 15th, 2011, 8:00 am – 10:00 am**

Homework :

- Homework (HW) is to be done digitally within our MyMathLab.com class : **everest47522** , **which has the course name : “Spring 2011 MW AM – BLUE CLASS Math 150 - CRN 30929 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 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 'everest47522' and clicked 'Find Course'. The system has found a match for the course 'everest47522 - Spring 2011 MW AM - BLUE CLASS Math 150 - CRN 30929 MML Class - Everest'. Below this, there are 'Enrollment Options' with radio buttons for 'Access Code' and 'Buy Now'. The 'Buy Now' option is selected, and a 'Buy' button is visible next to the course title and price '\$78.00 USD'.

After you have entered our course ID (**everest47522**) 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 : **everest47522** (do not put a space between the “everest” & “47522”)
- **Deadlines for the 49 MyMathLab homework assignments (by individual section) are as follows:**

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

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

- **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 4th week, (March 15th, 2011)**. If this class is dropped on or before the **Saturday of the 8th 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.**