

## SYLLABUS FOR LECTURE VERSION OF MATH 1200 – INTERMEDIATE ALGEBRA

**INSTRUCTOR:** Mrs. Beverly J. Pepe

**OFFICE:** Room 3087 Knight Campus

**PHONE NUMBER:** 825-2467 (office)  
825-2175 (Mrs. Morse our Secretary)

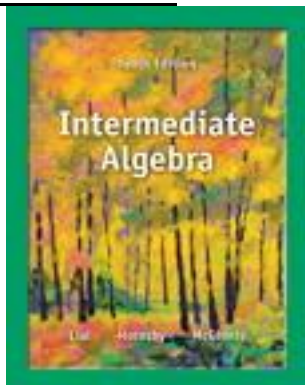
**E-MAIL ADDRESS:** [BPepe@CCRI.edu](mailto:BPepe@CCRI.edu)

**MyMathLab Course ID:** Pepe59082



**OFFICE HOURS:** M: 9 & 10; T: 11; W: 11; Th: 8 & 11;  
(Additional hours may be available by appointment or by dropping in)

### **TEXTBOOKS:**



**Intermediate Algebra**, 10<sup>th</sup> Edition, by Lial, Hornsby, and McGinnis, **Addison Wesley Publishers**. This package will come with access to **MyMathLab**.

You can check for the current ISBN for this textbook on the CCRI Bookstore website

**Recommended:** A folder to hold handouts and graded papers

Prerequisites: Math 1200 is not recommended for students who received below a B in Math 0600

### **Course Description**

Designed for students who plan eventually to study quantitative business analysis or calculus, this course covers functions and graphs; systems of equations and inequalities; quadratic equations; polynomial and rational expressions; radical, exponential and logarithmic forms.

### **Course Objectives**

To become proficient in higher level algebra, in order to build a firm foundation in mathematics and continue on the business or science tract.

### **Learning Outcomes**

1. Solve linear equations, including absolute value equations, linear inequalities, and compound inequalities in one variable.
2. Graph linear equations and inequalities in two variables.
3. Solve systems of linear equations in two variables using graphing, the substitution, and the elimination method; solve systems in three variables using the substitution and elimination method.
4. Perform arithmetic operations on polynomials.
5. Factor using GCF, difference of two squares, sum/difference of two cubes, trinomials, grouping; and solve quadratic equations by factoring.
6. Perform arithmetic operations on rational and radical expressions and functions.
7. Solve quadratic equations using completing the square, the quadratic formula and graphing.
8. Perform operations using the rules of exponents, arithmetic operations on rational and radical expressions and functions, and solve rational equations including those with extraneous roots.
9. Convert between exponential and logarithmic functions and apply the properties of logarithms.
10. Solve application problems using any or all of the above information.

**GRADING PROCEDURE:**

Class Attendance.....	25	3.85%
5 Quizzes (25 Points Each).....	125	19.23%
4 Hourly Exams.....	400	61.15%
Final Exam (cumulative).....	<u>100</u>	<u>15.38%</u>
Total Points Possible.....	650	100.00%

**TENTATIVE SCHEDULE OF QUIZZES & EXAMS:**

Quiz 1.....	September 16
Exam 1.....	September 23
Quiz 2.....	October 7
Exam 2.....	October 14
Quiz 3.....	October 28
Exam 3.....	November 4
Quiz 4.....	November 18
Exam 4.....	December 2
Quiz 5.....	December 9
Final Exam.....	T.B.A.(Week of December 15th)

**NOTE 1:** The homework for this course is offered both online in MyMathLab and from your textbook. You should use paper and pencil to complete the homework no matter which format you use and the homework should be available for inspection by the instructor upon request. Homework is designed to give you practice on the material covered in class and should be used by you to assess if you understand it. If there are any problems you cannot do, you should make note of them and either see me during an office hour to learn the concept you missed or ask about during that part of each class designated for going over the previous night's homework.

**NOTE 2:** **No make-up Quizzes will be given during the semester without instructor approval.** Only the best 4 out of 5 Quizzes will be counted in your average for the course.

**NOTE 3:** **No make-up Exams will be given during the semester without prior instructor approval.** The Final Exam will be divided into clearly labeled sections representing the material covered on each of the hourly exams as well as one section representing material covered after the last hourly exam. If a student has a better grade on the section of the Final than he received on the corresponding hourly exam, that grade will replace the hourly exam grade.

**NOTE 4:** Students requiring special accommodations **should inform the instructor during the first week of the semester** so that appropriate arrangements can be made.

**NOTE 5:** Cell phones, MP3 players, and other electronic devices can be distracting to your classmates and your instructor. **Please turn off all electronic devices during class time.**

**NOTE 6:** While the use of a **graphing utility** is acceptable when doing homework, one will **not be permitted for exams and quizzes. Be sure to bring a non-graphing, scientific calculator to class on testing days.**