

## Math 153-05 – Intermediate Algebra

Instructor: Ms. Anderson

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Room: NC 2122

Office Hours: MW 2:30- 3:00 PM, Room: 2122

Fall 2011

MW: 3:00 – 4:35 PM

Section#: 050930- (05)

**Course Descriptions:** This course includes the study of systems of linear equation, quadratic equations, relations and functions and their graphs, parabolas, exponential and logarithmic functions, and sigma notation.

**\*This is a web-enhanced course.** Information such as the class Syllabus, activities, Power Point presentations, homework and test scores, test solutions, attendance, grade averages, and grades, will be posted on Ohlone's Blackboard website.

**Textbook:** *Elementary and Intermediate Algebra, Volume II*, 5th ed., Bittinger, Ellenbogen, & Johnson, Pearson Custom Publishing ISBN 055826137X.

**Student Learning Outcomes (SLO's):** By the end of the semester, you will be able to:

- Solve problems involving the mathematical concepts of function and functional inverse.
- Demonstrate increased skill in setting up and solving problems requiring the application of mathematics (word problems).
- Solve mathematical problems using concepts that may be useful for learning statistics: logarithms, sigma notation, and the binomial theorem.
- Solve mathematical problems using concepts that may be useful for learning math for the liberal arts: functions, quadratic equations, parabolas, exponentials, logarithms, and sigma notation.

**Materials needed:** Textbook, ruler, calculator, graph paper, and stapler.

**Attendance:** Attendance is required for this class. You are considered absent if you miss more than 20 minutes of class. Since this class meets twice a week, if you miss more than 4 days, you will not receive credit for this course. Also, you will receive an F if you stop attending class and do not officially drop by the drop deadline.

**Academic Dishonesty:** This includes, but is not limited to: cheating, copying work of others, permitting others to copy your work, submitting work done by others, and altering work after grading and submitting it for re-grading. See the Ohlone college catalog for more details.

**Homework:** Use white, lined, 8 by 11 inch paper. Homework is assigned during every class and is collected on the day of each Chapter Test. Each section is worth two points and is graded on accuracy, completeness, and legibility. See the Homework Rubric for more details. **Late homework will not be accepted.**

Quizzes: Quizzes may be announced or unannounced. **There are no make-ups on quizzes.**

Exams: There will be 3 Chapter Tests, each worth 100 points. The Final Exam is worth 100 points, and may replace any test scores which are lower than the Final **provided you have:** 1) no more than four absences, 2) attempted 3 out of the 3 Chapter Tests, and 3) at least 90% of the homework completed (43 out of 48 points).

**No late arrivals allowed to exams.**

Grade: Chapter Tests: 300 total points possible (65% of your grade)  
Homework: 48 total points possible (10% of your grade)  
Quizzes: 20 total points possible (4% of your grade)  
Final Exam: 100 total points possible (21% of your grade)

$\% = [(\text{Chapter Tests} + \text{Homework} + \text{Quizzes} + \text{Final}) / \text{Points Possible}] * 100$

$[(300 + 48 + 20 + 100) / 468] * 100$

A: 90's    B: 80's    C: 70's    D: 60's    F: 50's and below

Tutoring: Free tutoring is available in the Math Learning Center.

### Math 153-(05) – Syllabus

Aug 29: Intro., 7.1

Aug 31: 7.1, 7.2

Oct 24: 11.3, 11.6

Oct 26: 11.6, Review

Sep 5: **Holiday!**

Sep 7: 7.2, 7.3

Oct 31: **Test 10-11**

Nov 2: 12.1, 12.2

Sep 12: 7.3, 8.1

Sep 14: 8.1, 8.2

Nov 7: 12.2, 12.3

Nov 9: 12.3, 12.4

Sep 19: 8.2, 8.3

Sep 21: 8.3, 9.1

Nov 14: 12.4, 12.5

Nov 16: 12.5, 12.6

Sep 26: 9.1, 9.2

Sep 28: 9.2, Review

Nov 21: 12.6, 12.7

Nov 23: 12.7, Review

Oct 3: **Test 7-9**

Oct 5: 10.1, 10.2

Nov 28: **Test 12**

Nov 30: 14.1, 14.4

Oct 10: 10.2, 10.6

Oct 12: 10.6, 11.1

Dec 5: Review for Final

Dec 7: Review for Final

Oct 17: 11.1, 11.2

Oct 19: 11.2, 11.3

Dec 12: **No Class**

Dec 14: **Final Exam, 2:30-4:30 PM**

Assigned Homework Problems are: 1, 9, 17, 25, 33, 41, 49, 57, 65, 73, 81, 89, 97, 105, 113 ...

**Homework is due on the day of the Chapter Test, stapled.**

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Your work is graded on **Quality, not Quantity.**

### Homework Rubric:

Points	Reasons
0	Most problems or steps are incorrect; Incomplete: missing at least 50% of the assigned problems or not enough steps shown; <b>Solved across and not downward;</b> Too hard to read or follow.
1	Some incorrect steps; Incomplete: missing up to 30% of the assigned problems or not enough steps shown; Hard to read or follow at times.
2	At least 90% of the assigned section is correct, complete, and legible.

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### Test Rubric:

Points	Reasons
0-3	Most of the steps are incorrect, incomplete, or missing; Used the wrong formula or method; <b>Solved across and not downward;</b> Too hard to read or follow;
4-7	Some of the steps do not follow algebraically; Some incorrect signs, steps, or procedures; Hard to read or follow at times;
8-10	Most or all of the problem is correct and complete; Follows algebraically; Easy to read and follow

