El Paso Community College

**Syllabus**

**Instructor’s Course Requirements**

**Spring 2015**

# Course Number and Instructor Information

MATH 0305, Intermediate Algebra

(Prerequisite: Math 0303 with a “C” or better, or by placement test.)

INSTRUCTOR'S NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CAMPUS AND OFFICE NUMBER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TELEPHONE NUMBER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

OFFICE HOURS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## **Text and Materials**

* 1. Elayn Martin-Gay, Beginning and Intermediate Algebra, 5th Edition, Pearson,

 Adopted 2012.

* 1. Student Solutions Manual (optional)

### **Course Requirements**

* 1. Five unit exams will be given. The grade for the exam with the lowest score may be replaced by the final exam grade, if it is to the student’s advantage. A comprehensive final exam will also be given. The Final counts as much as each of the other exams, but cannot be dropped. If a student is absent for a unit exam and has a valid excuse, s/he will have the option of counting the final exam twice – once for the missed exam and once as the regular final exam score. Anyone caught cheating (giving or receiving answers) will be withdrawn from the course.
	2. There will be a grade for homework (which is collected and graded) and/or graded in-class work. This grade will be worth the same amount as an exam and will be included when computing the final grade for this course. Late homework will not be accepted.
	3. The Course grade will be determined by taking the total points earned dividing by the total possible number of points a student can earn, rounding to the nearest unit, and assigning a letter grade based on the following scale.

Average Grade Letter Grade

90-100 A

80-89 B

70-79 C

60-69 D

0-59 F

#### **Instructor’s Policies**

* 1. Attendance:

A student may be withdrawn from this course for excessive unexcused absences after the student has accumulated unexcused absences of three hours of instruction. If a student does not excuse his/her absence, it will be considered unexcused.

* 1. A student who misses two exams without a valid excuse may be withdrawn from this course.

* 1. Calculators:

Students may use a scientific calculator (non-graphing) in this course.

* 1. Children:

Children are not allowed to attend class as visitors since they may distract other students in the class. Radios, cassette/CD players, beepers, and cellular phones must be turned off during class.

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* 1. Incomplete:

 I (incomplete) grades are assigned whenever the appropriate assignments and

 deadlines are met. To be eligible for an incomplete grade, a student must have

 at least 80% of the course work completed with at least a 75% average. W

 (withdrawal) grades may be given in remedial courses for non-attendance (see

 attendance). If a student wished to withdraw from this course on his/her

 own, it is the student’s responsibility to complete all the necessary paperwork.

 The last day to withdraw(**W**) is **Friday, April 17, 2015.**

* 1. Cheating:

High ethical standards are prerequisites for successful careers and reflect on a person’s character. All graded work must be the student’s own work. Situations involving cheating (giving and receiving answers on test) will be handled according to the student code of conduct published in the EPCC Catalog (page 72) and EPCC 7.05.01.10 Student Disciplinary Procedure.

1. **CALENDAR FOR Spring 2015 Semester (Tentative)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Dates** | **Lesson Covered** | **Section Titles** |
| 1 | Jan. 18 – Jan. 24**Jan. 19** **Institutional Holiday (No Class)** | 6.3, 6.4, 6.5 | 6.3 – Factoring Trinomials of the Form $ax^{2}+bx+c$  and perfect square trinomials6.4 – Factoring Trinomials of the Form $ax^{2}+bx+c$  by grouping6.5 – Factoring Binomials |
| 2 | Jan. 25 – Jan. 31 | 6.6, 6.7, **Review** | 6.6 – Solving Quadratic Equations by Factoring6.7 –Quadratic Equations and Problem Solving |
| 3 | Feb. 01 – Feb. 07 | **Unit I Exam**, 7.1,  | 7.1 – Rational Functions and Simplifying Rational  Expressions |
| 4 | Feb. 08 – Feb. 14 | 7.2(skip Obj 4), 7.3, 7.4,  | 7.2 – Multiplying and Dividing Rational Expressions7.3 – Adding and Subtracting Rational Expressions  with Common Denominators and Least Common  Denominator7.4 – Adding and Subtracting Rational Expressions  with Unlike Denominators |
| 5 | Feb. 15 – Feb. 21 | 7.5, 7.6(skip Obj. 3,4), 7.7,  | 7.5 – Solving Equations Containing Rational  Expressions7.6 – Proportion and Problem Solving with Rational  Equations7.7 – Simplifying Complex Fractions |
| 6 | Feb. 22 – Feb. 28 | Review, **Unit II Exam,** 10.1 | 10.1 – Radicals and Radical Functions |
| 7 | March 01 – March 08 | 10.2, 10.3, 10.4 | 10.2 – Rational Exponents10.3 – Simplifying Radical Expressions10.4 –Adding, Subtracting, and Multiplying Radical  Expressions |
|  | March 09-March 15  | SPRING BREAK | SPRING BREAK |
| 8 | March 16 – March 21 | 10.5, 10.6, 10.7 | 10.5 – Rationalizing Denominators and Numerators of  Radical Expressions10.6 – Radical Expressions and Problem Solving10.7 – Complex Numbers |
| 9 | March 22 – March 28 | Review, Unit III Exam, 11.1 | 11.1 – Solving Quadratic Equations by Completing the  Square |
| 10 | March 29 **–** April 04**March 31st**  **Institutional Holiday (No Class)** | 11.2, 11.3 | 11.2 – Solving Quadratic Equations by the Quadratic  Formula11.3 – Solving Equations by Using Quadratic Methods |
| 11 | April 05 – April 11**April 3rd Institutional Holiday (No Class)** | 11.4, 11.5, 11.6 | 11.4 – Nonlinear Inequalities in One Variable11.5 – Quadratic Functions and their Graphs11.6 – Further Graphing of Quadratic Functions |
| 12 | April 12 – April 18**April 17 Last Day to DROP with a “W”**  | **Review, Unit IV Exam** |  |
| 13 | April 19 – April 25 | 12.2, 12.3, 12.5 | 12.2 – Inverse Functions12.3 – Exponential Functions12.5 – Logarithmic Functions |
| 14 | April 26 – May  | 12.6, **Review** | 12.6 – Properties of Logarithms |
| 15 | May 03 – May 09 | **Unit V Exam, Final Exam Review** |  |
| 16 | May 10 – May 16 | Final Exams |  |

**The date of the Final Exam for this course is**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_