Math 15 Prealgebra Spring 2015

Course Information (Section 23031) Room: 1902 and Online

Instructor: Paul T. Farnham II Office: 618-0
Office Hours: MW 10:00 – 10:25 & 12:40 – 1:00
F 10:15 – 11:40
Online TR 21:00 – 21:50

Phone: 714-992-7395 E-Mail: Pfarnham@fullcoll.edu

Course Outline

Course Description:
Prerequisite: Math 10 (Basic Mathematics) with a grade of “C” or better or math skills clearance.
This course includes operations on integers, fractions, mixed numbers, and decimals; ratio, proportion, and percentages; working with variable expressions; interpretation of statistical graphs; measurement and geometry; and an introduction to polynomials and graphing.

Student Learning Outcomes:
Upon successful completion of MATH 015 F Prealgebra the student will be able:
1. Perform various operation on integers, fraction, or decimals, and be able to simplify algebraic expressions involving integers, fractions, or decimals.
2. Solve basic linear equations and verbal problems that require simple mathematical models.
3. Perform operations on polynomials such as addition, subtraction, multiplication, or factoring out the greatest common factor.

Homework:
Homework problems are assigned for each section we cover. All homework will be done online. A handout is provided. Assignments will be used in considering your course grade. The assigned problems are for your benefit. If you do not do the homework on a regular basis, you will not be successful on the quizzes and tests. Homework will count 280 points towards your course grade.

Quizzes:
There will be 10 weekly quizzes given on the dates indicated on the syllabus. You can take each quiz up to 3 times and your best score will be used. There will be no make-up quizzes or additional attempts provided for any reason. Quizzes will also count a total of 100 points toward your course grade.

Calculators
You will need a scientific calculator for this course. They may be used on exams and in fact will be necessary for certain problems. Graphing calculators are not necessary and are not to be used on quizzes and exams.
Exams:
There will be 4 midterm exams given on the dates indicated on the syllabus and a comprehensive one hour and fifty minute final exam given during finals week. The midterm exams will cover the following material:

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Text Sections</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>Friday, February 20</td>
<td>Chapter 1, Sections 1 - 6</td>
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<td>Chapter 2, Sections 1 - 6</td>
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<tr>
<td>Exam 2</td>
<td>Friday, March 13</td>
<td>Chapter 3, Sections 1 - 7</td>
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<td>Chapter 4, Sections 1 - 5</td>
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<td>Exam 3</td>
<td>Friday, March 17</td>
<td>Chapter 5, Sections 1 - 8</td>
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<td>Chapter 6, Sections 1 - 6</td>
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<td>Exam 4</td>
<td>Friday, May 8</td>
<td>Chapter 7, Sections 1 - 6</td>
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<td>Chapter 8, Sections 1 - 5</td>
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</tbody>
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Each midterm exam counts 100 points. The lowest online midterm exam score (1) will be dropped in computing your course grade. You can take each exam up to 3 times and your best score will be used. There will be no make-up exams or additional attempts provided for any reason. Exams will count 300 points towards your final course grade.

Final Exam
The final Exam is comprehensive. It is scheduled for Friday, May 22, 2015 from 11:45 - 1:50. All students are required to take the final examination. The final may not be dropped. Failure to attend the final exam will result in a grade of an "F" for the course. Students are responsible to make arrangements to be available at the time of the exam. The final exam will count 200 points towards your final course grade.

Grading
Your grade in Math 15Hyb is based upon the combination of your homework, quiz, and exam scores as follows:

- Math Lab/Participation = 58 points
- Homework = 280 points
- Quizzes = 100 points
- Midterm Exams = 300 points
- Final Exam = 200 points
- Total Points = 938 points

With grading scale:

A  90 - 100%  B  80 - 89%  C  70 - 79%  D  60 - 69%  F  0 - 59%

You can access your grade on the web at any time during the semester. The web address is http://www.eclassinfo.com/home.asp?id=pfarnham Select the class Math 15 Hyb. Your id is your student id and your password will be given to you at your first on campus examination. If you miss the first on campus exam, you can e-mail me for the information.
Math Lab
The math lab can be used as an additional resource for you success in this course. Students wishing to use the math lab this semester must enroll in the Improving Math Skills course, Math N01 F prior to the add deadline. It is a 0 unit course. For more information, go to http://math.fullcoll.edu/mathlab.html.

Withdrawal Policy
While an instructor officially may withdraw a student who has poor attendance, it is the student’s responsibility to withdraw if the student des not continue in attendance. If your name appears on the roster at the end of the year, I must give you a grade. Failure to withdraw yourself from the course may result in the student receiving a failing grade.

The first withdrawal deadline is Sunday, February 8, 2015. No “W” shall be recorded on the student’s transcript when withdrawing from the course.

The second withdrawal deadline is Sunday, April 26, 2015. A “W” shall be recorded on the student’s transcript when withdrawing from the course.

AMERICANS WITH DISABILITIES ACT (ADA) STATEMENT
Fullerton College is committed to providing educational accommodations for students with disabilities upon the timely request by the student to the instructor. Verification of the disability must also be provided. The Disability Support Services office functions as a resource for students and faculty in the determination and provision of educational accommodations.

CHILDREN ON CAMPUS
Children are not allowed on campus unless supervised by a parent or guardian. Children may not attend classes or computer labs (unless the course is specifically designed to include children.) Children must be supervised so educational activities are not interrupted and may not be left unattended in common areas such as the library, student center, food services area, quad or college parking lots.

ACADEMIC HONESTY POLICY
Students are expected to abide by ethical standards in preparing and presenting material which demonstrates their level of knowledge and which is used to determine grades. Such standards are founded on basic concepts of integrity and honesty. These include, but are not limited to, the following areas:

1. Students shall not plagiarize
2. Students shall not cheat
3. Students shall not furnish materials or information in order to enable another student to plagiarize or cheat. Instructors may deal with academic dishonesty in one or more of the following ways:
   1. Assign an appropriate academic penalty such as an oral reprimand or point reduction.
   2. Assign an “F” on all or part of a particular paper, project, or exam.
   3. Report to the appropriate administrators, with notification of same to the student(s), for disciplinary action by the College. Such a report will be accompanied by supporting evidence and documentation.
Repeated violations may result in students receiving an “F” in the course; suspension or dismissal from the College.
FULLERTON COLLEGE CATALOG AND CLASS SCHEDULE
The Fullerton College Catalog and the Class Schedule contain a number of policies relating to students that are important to you. Please be sure that you have read these publications thoroughly. You may purchase copies of these publications at the campus bookstore, or you may read them online at the Fullerton College website, www.fullcoll.edu.

EMERGENCY RESPONSE STATEMENT
Take note of the safety features in and around the classroom. Also, please study the posted evacuation routes. The most direct route of exit may not be the safest. Running out of the building during earthquakes may be dangerous. During strong earthquakes, it is recommended to duck, cover, and hold until the quaking stops. Follow the guidance of your instructor. Your cooperation during emergencies can minimize the possibility of injury to yourself and others.

STANDARDS OF STUDENT CONDUCT AND DISCIPLINE POLICY
The standards of student conduct and disciplinary action for violation of Board Policy 5500 were approved by the NOCCCD Board on January 28, 2003, and were drawn in compliance with Sections 66300, 76030, 76033, 76034, 76036 of the State Education Code. Students are expected to respect and obey civil and criminal law and shall be subject to the legal penalties for violation of the city, county, state, and national law(s). Student conduct must conform to Board Policy and college regulations and procedures. As cited in BP5500, “A student who violates the standards of student conduct shall be subject to disciplinary action including, but not limited to, the removal, suspension or expulsion of the student.” Students have an obligation to familiarize themselves with the College’s policies, rules and regulations and to conduct themselves in a reasonable, respectful manner, which is conducive toward attaining their educational goal. Upon registration, each student should obtain a copy of the College Policies and Regulations: Standards of Student Conduct and Discipline Policy. Contained therein are the policies approved by the Board of Trustees governing student behavior and the applicable penalties for violations of these policies. Copies are available in the Student Affairs Office, the Office of Equity and Diversity, all division offices, and the Student Services office.

Suggestions on How to Study for this Course:
1. Read the text sections prior to their being discussed in class. Reading the next section will introduce you to new concepts and ideas before they are introduced by your instructor. Come to class prepared to ask questions about any new concepts that are not clear after reading the text.
2. Do all the assigned homework problems immediately after the section has been discussed in Class. When you work the homework, you should work a group of problems at a time before checking your answers with those in the back of the text. Be sure to make an honest attempt at a problem before looking up the answer.
3. If you have questions about the homework problems, get your questions answered as they arise, either in class, in your instructor’s office, or in the Math Tutoring Center. Don’t save up your questions for the day before the exam.
4. Spend some time every day on the course. Spending comparatively little time each day will be more productive than saving up all your work for the weekend or for the week or day.
<table>
<thead>
<tr>
<th>Week (Date)</th>
<th>Sections To Be Completed</th>
<th>Homework Due</th>
<th>Quiz or Exam</th>
</tr>
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<tbody>
<tr>
<td><strong>Week 1</strong></td>
<td>1.1: Introduction to Numbers, Notation, and Rounding. 1.2: Adding/Subtracting Whole Numbers; Solving Equations. 1.3: Multiplying Whole Numbers; Exponents. 1.4: Dividing Whole Numbers; Solving Equations.</td>
<td>Homework #1 Sections: 1.1, 1.2, 1.3, 1.4.</td>
<td>Quiz #1 - Sections: 1.1, 1.2, 1.3, 1.4.</td>
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<tr>
<td>1/30 - 2/5</td>
<td>1.5: Order of Operations; Mean, Median, and Mode. 1.6: More with Formulas. 2.1: Introduction to Integers. 2.2: Adding Integers.</td>
<td>Homework #2 Sections: 1.5, 1.6, 2.1, 2.2.</td>
<td>Quiz #2 - Sections: 1.5, 1.6, 2.1, 2.2.</td>
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<td><strong>Week 2</strong></td>
<td>2.3: Subtracting Integers and Solving Equations. 2.4: Multiply/Divide Integers; Exponents; Square Roots; and Solving Equations. 2.5: Order of Operations. 2.6: Additional Applications and Problem Solving.</td>
<td>Homework #3 Sections: 2.3, 2.4, 2.5, 2.6.</td>
<td>Exam #1 (Chapters 1 &amp; 2) This exam is to be taken online!</td>
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<tr>
<td>2/6 - 2/12</td>
<td>3.1: Translating and Evaluating Expressions. 3.2: Introduction to Polynomials. Combining Like Terms. 3.3: Add/Subtract Polynomials. 3.4: Exponent Rules; Multiplying Polynomials.</td>
<td>Homework #4 Sections: 3.1, 3.2, 3.3, 3.4.</td>
<td>Quiz #3 - Sections: 3.1, 3.2, 3.3, 3.4.</td>
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<td><strong>Week 3</strong></td>
<td>3.5: Prime Numbers and GCF. 3.6: Exponent Rules: Introduction to Factoring. 3.7: Additional Applications and Problem Solving. 4.1: Equations and Their Solutions.</td>
<td>Homework #5 Sections: 3.5, 3.6, 3.7, 4.1.</td>
<td>Quiz #4 - Sections: 3.5, 3.6, 3.7, 4.1.</td>
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<tr>
<td>2/13 - 2/19</td>
<td>4/2: Addition Principle of Equality. 4.3: Multiplication Principle of Equality. 4.4: Translating Word Sentences to Equations. 4.5: Applications and Problem Solving.</td>
<td>Homework #6 Sections: 4.2, 4.3, 4.4, 4.5.</td>
<td>Exam #2 (Chapters 3 &amp; 4) This Exam is to be taken on campus on Friday, 3/13, in room 1902 from 11:45 - 1:50.</td>
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| Week 7      | 5.1: Introduction to Fractions.  
5.2: Simplifying Fractions and Rational Expressions.  
5.3: Multiplying Fractions, Mixed Numbers, and Rational Expressions.  
5.4: Dividing Fractions, Mixed Numbers, and Rational Expressions. | Homework #7 | Quiz #5 - Sections: 5.1, 5.2, 5.3, 5.4. |
| 3/13 - 3/19 |                          |              |              |
| Week 8      | 5.5: Least Common Multiple.  
5.6: Adding and Subtracting Fractions, Mixed Numbers, and Rational Expressions.  
5.7: Order of Operations; Evaluating and Simplifying Expressions.  
5.8: Solving Equations. | Homework #8 | Quiz #6 - Sections: 5.5, 5.6, 5.7, 5.8. |
| 3/20 - 3/26 |                          |              |              |
| Week 9      | 6.1: Introduction to Decimal Numbers.  
6.2: Adding and Subtracting Decimal Numbers.  
6.3: Multiplying Decimal Numbers; Exponents & Decimal Bases. | Homework #9 | Quiz #7 - Sections: 6.1, 6.2, 6.3. |
| 3/27 - 4/9  |                          |              |              |
| Includes Spring Break | |
| Week 10     | 6.4: Dividing Decimal Numbers; Square Roots with Decimals.  
6.5: Order of Operations and Applications in Geometry.  
6.6: Solving Equations and Problem Solving. | Homework #10 | Exam #3 (Chapters 5 & 6)  
This exam is to be taken online! |
| 4/10 - 4/16 |                          |              |              |
| Week 11     | 7.1: Ratios, Probability, and Rates.  
7.2: Proportions.  
7.3: American Measurement; Time.  
| 4/17 - 4/23 |                          |              |              |
| Week 12     | 7.5: Converting Between the Two Systems; Temperature.  
7.6: Applications and Problem Solving.  
8.1: Introduction to Percent.  
8.2: Solve Basic Percent Sentence. | Homework #12 | Quiz #9 - Sections: 7.5, 7.6, 8.1, 8.2. |
<p>| 4/24 - 4/30 |                          |              |              |</p>
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| **Week 13**| 8.3: Solving Percent Problems (Portions).  
8.4: Solving Problems Involving Percent of Increase/Decrease.  
8.5: Solving Problems Involving Interest. | Homework #13  
Sections: 8.3, 8.4, 8.5. | Exam #4 (Chapters 7 & 8)  
*This exam is to be taken online!* |
| **Week 14**| 9.1: Points, Lines, and Angles.  
9.2: The Rectangular Coordinate System.  
9.3: Graphing Linear Equations.  
9.4: Applications with Graphing. | Homework #14  
| **Week 15**| Review!!!!! | None!!!!! | None !!!!!! |
| **Week 16**| 5/22 | Final Exam (Chapters 1 - 9)  
*This Exam is to be taken on campus on Friday, 5/22, in room 1902 from 11:45 - 1:50.* |

**The above is a tentative schedule. All dates, topics, and assessments are subject to change at the discretion of the instructor.**
To work within CourseCompass, your computer must meet the following requirements for operating systems, connections speed and browser versions:

- **Windows XP**: Internet Explorer 6.0, 7.0; or Firefox 2.0.
- **Windows Vista**: Internet Explorer, Version 7.0 or Firefox 2.0.
- **Macintosh OS 10.4**: Firefox 2.0.
- **Macintosh OS 10.5**: Safari 3.1.

If you have earlier versions of these browsers, you can download a newer version from the appropriate manufacturer’s website:
- For Internet Explorer, go to [http://www.microsoft.com](http://www.microsoft.com)
- For Firefox, go to [http://www.getfirefox.com](http://www.getfirefox.com)
- For Safari, go to [http://www.apple.com](http://www.apple.com)

**AOL and AT&T Yahoo Users**: You cannot view CourseCompass using the AOL or AT&T Yahoo browsers. You can, however, use AOL or AT&T yahoo as you Internet Service Provider to access the Internet, then open one of the supported browsers within AOL or AT&T Yahoo to access CourseCompass.

**Connection Speed**: CourseCompass requires an Internet connection with a minimum connection speed of 28.8 kbps. The faster your connection, the faster you will be able to view this site and some of your courses content. If you are experiencing slow download times, you may need a faster connection.

**Browser Settings**: CourseCompass uses cookies and JavaScript technology. Both of these features must be turned on in your browser, and are usually turned on by default. For instructions on how to view or change these browser options, see your browser help.

**Note**: Some course and multimedia components, such as MyMathLab, may have specific OS and browser requirements. Please check your specific product’s requirements to ensure a successful experience. For MyMathLab, see [http://www.mymathlab.com/system.html](http://www.mymathlab.com/system.html)

You can log into the course using the website [http://www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com)

Once you have reached the homepage of the website, you will need to click the **Register Button** under the **students** heading.

Before starting, it will ask that you to have the following:

- **Valid E-Mail Address**: Make sure you list the correct one so I can correspond with you if need be.
- **Course ID**: The course ID for your course is **farnham64338**.
- **Student Access Card**: If you purchased a new text, the access code will be bundled with the book. If you bought a used text, you can purchase one online for about $95.20 I believe.

Once you have these you can register and log into the system. Make sure to read the announcements before you do anything. You should be able to start your homework TODAY!!!!