Math 40 Intermediate Algebra Spring 2009
Course Information (Section 22393) Room: Online
Instructor: Paul T. Farnham II Office: 618-0
Office Hours: MW 2:30 – 2:30
TR 11:30 – 12:00 and 2:00 – 2:30
Math 20 Online T 21:00 – 22:00
Math 40 Online W 21:00 – 22:00

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

Course Outline

Course Description:
Prerequisite: Math 20 (Elementary Algebra) with a grade of “C” or better or math skills clearance.
This course includes products and factoring, exponents and radicals, fractions, functions and graphs, linear and quadratic equations, linear inequalities, logarithms and related topics at an intermediate level.

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 150 points towards your course grade.

Quizzes:
There will be 11 short quizzes given on the dates indicated on the syllabus. The one lowest quiz (1) score will be dropped in computing your course grade. 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 200 points toward your course grade.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>Friday, February 6</td>
<td>Chapter 2, Sections 1 – 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chapter 3, Sections 1 – 5</td>
</tr>
<tr>
<td>Exam 2</td>
<td>Friday, February 27</td>
<td>Chapter 4, Sections 1 – 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chapter 5, Sections 1 – 5</td>
</tr>
<tr>
<td>Exam 3</td>
<td>Friday, March 27</td>
<td>Chapter 6, Sections 1 – 5</td>
</tr>
<tr>
<td>Exam 4</td>
<td>Friday, May 1</td>
<td>Chapter 7, Sections 1 – 6</td>
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<td>Chapter 8, Sections 1 – 5</td>
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<tr>
<td></td>
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<td>Chapter 9, Sections 1 – 7</td>
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<tr>
<td></td>
<td></td>
<td>Chapter 10, Sections 1 – 6</td>
</tr>
</tbody>
</table>
Each midterm exam counts 100 points and the final exam counts 200 points. The lowest midterm exam score (1) will be dropped in computing your course grade. You can take each online 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 15, 2009 from 8:00 - 9:50 p.m. 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 40 online is based upon the combination of your homework, quiz, and exam scores as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>150</td>
</tr>
<tr>
<td>Quizzes</td>
<td>200</td>
</tr>
<tr>
<td>Midterm Exams</td>
<td>300</td>
</tr>
<tr>
<td>Final Exam</td>
<td>200</td>
</tr>
<tr>
<td>Total Points</td>
<td>850</td>
</tr>
</tbody>
</table>

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://sc.webgrade.classmanager.com/FullertonColl. Select the class Math 40 OL. Your id is your student id and your password will be given to you during your first on campus exam (Exam #2) or after you send an e-mail to the instructor requesting the information if you miss Exam #2 on campus.

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 does 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 Saturday, January 31, 2009. No “W” shall be recorded on the student’s transcript when withdrawing from the course.

The second withdrawal deadline is Saturday, April 25, 2009. 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.
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.

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.

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.

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.
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.

Suggestions on How to Study for this Course:
1. Read the text sections. Reading the next section will introduce you to new concepts and ideas before they are introduced by your instructors notes.
2. Do all the assigned homework problems immediately after reading each section. 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 by your instructor, others in the class, or in the Math Tutoring Center on campus. Don't save up your questions for any length of time.
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>
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</table>
| Week 1     | 2.1: Linear Equations in One Variable.  
2.2: Formulas  
2.3: Applications of Linear Equations.  
2.4: Further Applications of Linear Equations. | Homework #1  
Sections: 2.1,2.2,2.3,2.4. | Quiz #1 - Sections: 2.1,2.2,2.3,2.4. |
| 1/16 - 1/22 |                          |              |              |
| Week 2     | 2.5: Linear Inequalities in One Variable.  
2.6: Set Operations and Compound Inequalities.  
2.7: Absolute Value Equations and Inequalities.  
3.1: The Rectangular Coordinate System. | Homework #2  
Sections: 2.5,2.6,2.7,3.1. | Quiz #2 - Sections: 2.5,2.6,2.7,3.1. |
| 1/23 - 1/29 |                          |              |              |
| Week 3     | 3.2: The Slope of a Line.  
3.3: Linear Equations in Two Variables.  
3.4: Linear Inequalities in Two Variables.  
3.5: Introduction to Functions. | Homework #3  
Sections: 3.2,3.3,3.4,3.5. | Exam #1 (Chapters 2 and 3)  
This exam is to be taken online! |
| 1/30 - 2/5 |                          |              |              |
| Week 4     | 4.1: Systems of Linear Equations in Two Variables.  
4.2: Systems of Linear Equations in Three Variables.  
4.3: Applications of Systems of Linear Equations.  
5.1: Integer Exponents and Scientific Notations.  
5.2: Add/Subtract Polynomials. | Homework #4  
Sections: 4.1,4.2,4.3,5.1,5.2. | Quiz #3 - Sections 4.1,4.2,4.3,5.1,5.2. |
| 2/6 - 2/12 |                          |              |              |
| Week 5     | 5.3: Polynomial Functions, Graphs, and Composition.  
5.4: Multiplying Polynomials.  
5.5: Dividing Polynomials.  
6.1: GCF's; Factor by Grouping. | Homework #5  
Sections: 5.3,5.4,5.5,6.1 | Quiz #4 - Sections 5.3,5.4,5.5,6.1 |
| 2/13 - 2/19 |                          |              |              |
| Week 6     | 6.2: Factoring Trinomials.  
6.3: Special Factoring.  
6.4: A General Approach to Factoring.  
6.5: Solving Equations by Factoring. | Homework #6  
Sections: 6.2,6.3,6.4,6.5. | Exam #2 (Chapters 4, 5, & 6)  
This Exam is to be taken on campus on Friday, 2/27, in room 708 from 8 to 10 pm. |
<p>| 2/20 - 2/26 |                          |              |              |</p>
<table>
<thead>
<tr>
<th>Week (Date)</th>
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<th>Homework Due</th>
<th>Quiz or Exam</th>
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</thead>
</table>
| Week 7 2/27 - 3/5 | 7.1: Rational Expressions/Functions: Multiplying and Dividing.  
7.2: Adding and Subtracting Rational Expressions.  
7.3: Complex Fractions.  
7.4: Equations with Rational Expressions and Graphs. | Homework #7  
Sections:  
7.1,7.2,7.3,7.4. | Quiz #5 - Sections 7.1,7.2,7.3,7.4. |
| Week 8 3/6 - 3/12 | 7.5: Applications of Rational Expressions.  
7.6: Variation.  
8.1: Radical Expressions and Graphs. | Homework #8  
Sections:  
7.5,7.6,8.1. | Quiz #6 - Sections 7.5,7.6,8.1. |
| Week 9 3/13 - 3/19 | 8.2: Rational Exponents.  
8.3: Simplifying Radical Expressions.  
8.4: Adding and Subtracting Radical Expressions. | Homework #9  
Sections:  
8.2,8.3,8.4. | Quiz #7 - Sections 8.2,8.3,8.4. |
| Week 10 3/20 - 3/26 | 8.5: Multiplying and Dividing Radical Expressions.  
8.6: Solving Equations with Radical Expressions.  
8.7: Complex Numbers. | Homework #10  
Sections:  
8.5,8.6,8.7. | Exam #3  
(Chapters 7 and 8)  
This Exam is to be taken on campus on Friday, 3/27, in room 708 from 6 to 8 pm. |
9.2: The Quadratic Formula.  
9.3: Equations in Quadratic Form.  
9.4: Formulas and Further Applications. | Homework #11  
Sections:  
| Week 12 4/3 - 4/16 Includes Spring Break | 9.5: Graphs of Quadratic Functions  
9.6: More about Parabolas and Their applications.  
9.7: Quadratic and Rational Inequalities. | Homework #12  
Sections:  
9.5,9.6,9.7 | Quiz #9 - Sections 9.5,9.6,9.7 |
10.2: Exponential Functions.  
10.3: Logarithmic Functions. | Homework #13  
Sections:  
10.1,10.2,10.3 | Quiz #10 - Sections 10.1,10.2,10.3 |
10.5: Common and Natural Logarithms.  
10.6: Exponential and Logarithmic Equations; Further Applications. | Homework #14  
Sections:  
10.4,10.5,10.6 | Exam #4  
(Chapters 9 and 10)  
This exam is to be taken online! |
**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  
Windows Vista  
Macintosh OS 10.4  
Macintosh OS 10.5  

Internet Explorer 6.0, 7.0; or Firefox 2.0.  
Internet Explorer, Version 7.0 or Firefox 2.0.  
Firefox 2.0.  
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.coursecompass.com](http://www.coursecompass.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 farnham44106

**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 $50 - $60 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!!!!