Syllabus for Spring 2011
Three Rivers Community College

Prealgebra Math 075/CRN 11989
MWF 11 to 11:50 a.m., Room D222

Adjunct Instructor: Sue Butler
Email: sueqbutler@yahoo.com
Office Hours: by appointment or MWF before class.

Text: Prealgebra, *5th* edition, by Elaine Martin-Gay
Instructor recommendations: Buying a new textbook is a great deal. You get your book, the solutions manual, and the MyMathLab codes you need to register online.

Grading Policy:
Your grade for the semester will be calculated out of a total of 400 points:
>   Midterm exam = 100 points
>   Final exam = 100 points
>   4 graded Problem Sets @ 50 points each = 200 points

Homework will be assigned at each regular class session, excluding exam days. Homework will be collected and recorded for effort, not accuracy. Up to 20 homework points will be added to the total number of points earned for the semester, based on the percentage of completed assignments and according to the following guidelines:

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1. Clearly label homework assignments with your name, date, and chapter section(s).

2. Copy each original homework problem. (exception: word problems)

3. Show all work. "Answer lists" will not be accepted.

4. Clearly label your answer(s).

5. Compare your answers to the answer keys or solutions manual. Mark your answers as correct (c) or incorrect (x). Check **each problem** *one at a time* as you work through an assignment. This will prevent repeating the same mistakes and alert you to where you may need help and what questions need to be reviewed during class.

6. Optional: Notes for the instructor, such as "Help!" or "I don't understand!" or "This is fun!"

Grade Equivalents:

Grade	Percent	Points
A	93 - 100	372 points or higher
A-	90 – 92	358 – 371 points
B+	87 – 89	346 – 357 points
B	83 – 86	330 – 345 points
B-	80 – 82	318 – 329 points
C+	77 –79	306 – 317 points
C	73 – 76	290 – 305 points
C-	70 – 72	278 – 289 points
D+	67 – 69	266 – 277 points
D	63 – 66	250 – 265 points
D-	60 –62	238 – 249 points
F	59 or lower	237 or lower
I	incomplete (see below)	

Absence:

If you are __absent__ on the day of an exam you will have until the *next regularly scheduled class session* **to contact me and make arrangements to take your exam.**

Incompletes will be assigned only if the TRCC agreement has been completed by both student and instructor. An incomplete is a temporary grade and allows for a time extension from the instructor. If it is not resolved by the end of the 10th week of the next academic semester it automatically converts to an F.

Withdrawal Policy: A "drop or withdrawal" from the course will be accepted through the 10th week of classes in accordance with the designated withdrawal deadlines. Students need to fill out the special withdrawal form available at the registrar's office: Withdrawals are processed only through the Registrar's Office at (860) 892-5756 or the Subase at (860) 445-5575. Students who do not withdraw, but stop attending will be assigned an "F".

Disabilities Statement: If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the disabilities Counseling Services at 383-3240. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the disabilities counselor.

Calculator: Any scientific calculator is suitable for this course. The TI-83 or TI-84 is recommended for Math 095 and Math 137. The TI-89 is recommended for the math courses beyond intermediate algebra.

Course Outline and Assignments
We will cover the following sections of the text:

Chapter 1. Whole Numbers
Starting at section 1.5
1.5 page 45   Vocabulary (1 – 8)
1.6 page 59   Vocabulary (1 –6), exercises 1 – 20
1.7 page 71   Vocabulary (1 – 5), exercises 1 – 43 e.o.o., 45 – 85 odd
1.8 page 80   Vocab, exercises 7 – 55 e.o.o., 67-87 odd
Chapter Review: page 91 89 – 125 odd

Chapter 2. Integers/Introduction to Solving Equations
2.1 p 102   23 – 81 odd
2.2 p 110   1 – 69 odd
2.3 p 117   1 – 61 odd
2.4 p 126   1 – 113 e.3.o.
2.5 p 137   1, 9, 17, 25, 33, 41, 53, 59, 61, 65, 73, 77
2.6 p 147   1 – 51 odd
Chapter Review: page 157 (1 – 34)

Chapter 3. Solving Equations
3.1 p 168   1 – 81 e.3.o.
3.2 p 179   1 – 71 e.3.o.
3.3 p 188   1 – 63 e.o.o., 65 – 71 odd
3.4 p 196   1 – 17 e.o.o ,25, 27, 31
Chapter Review page 208 1 – 21

Chapter 4. Fractions
4.1 p 224   57 – 91 e.o.o.
4.2 p 236   1 – 61 e.3.o.
4.3 p 247   37 – 71 odd, 77, 79
4.4 p 261   1, 5, 9, …39, 65 – 75 odd
4.5 p 272   1 – 69 odd
4.6 p 284   11 – 27 odd
4.7 p 297   17, 19, 21, 31 – 37 odd, 45 – 67 odd
4.8 p 310   1 – 41 e.o.o, 43 – 69 odd
Chapter Review p. 325 1 - 40

Chapter 5. Decimals
5.1 p 338   1 – 77 e.3.o
5.2 p 350   calculator check: 39- 71 odd
5.3 p 360   17 - 28
5.4 p 370   39 - 44
5.5 p 383   1 – 12, 39 – 54, 63 – 78 odds
5.6 p 388   1 – 41 e.o.o.
Chapter Review p. 1 – 20

Chapter 6. Ratios and Proportions
       6.1 p. 419   1, 5, 9, 13, 33, 39, 41, 43, 61, 63, 65
       6.2 p 429   1, 5, 11, 15, 19, 23, 37, 41, 45, 49, 53, 57
       6.3 p 438   1, 5, 9, 13, 15, 19

Chapter 7. Percent
       7.1 p. 479   7 – 67 e.o.o
       7.2 p. 488   25 – 47 odd
       7.4 p. 506   1 –13 odd
       7.5 p. 515   1, 3, 9, 11

"General Tips for Success"

Attend all class periods. Make sure your work hours do not conflict with your course schedule. Most students do not pass algebra after more than 4 absences.

Regular attendance is vital to your success in this course (I can't stress that enough!).

Do your homework, "practice makes perfect", especially algebra!

Check your work. If you have made a mistake try to figure out what went wrong. Then correct your mistake. Rework the problem from the beginning.

Learn from your mistakes.

Don't skip steps. Skipping steps will ultimately waste your time from making simple errors.

Ask questions! My experience tells me that if you have a question, then at least 5 other classmates have the same question. There is no such thing as a stupid question.

Take notes. Jot down notes as you go through the MyMathLab instruction segments, take notes from the blackboard, do your homework assignments in a notebook, use your notebook to work out the online assignments and tutorials. DO NOT try to do it all 'in your head'. Skipping steps will ultimately waste your time from making simple errors.

Use MyMathLab *before class* to see what objectives will be covered in class each week, and try the online homework assignments. Bring your questions to our next class session. MyMathLab's video clips, animation, and tutorial sections will walk you through the mastery of each objective and will help us make better use of our class time for problem solving and addressing your questions. I will need to hear from you what you like about MyMathLab and what needs fixing!

Best wishes for a successful semester!

This course has been set up as a **MyMathLab-based course**.

MyMathLab is a website that is available to you **24/7**, whereas our total class time each week is less *than 3 hours.*

MyMathLab is an incredibly powerful tool to help you master the concepts in this course.

MyMathLab is not required to successfully complete this course; however it is *strongly recommended* that you take advantage of the opportunities available to you only through MyMathLab.

Homework and Practice Exams posted on MyMathLab
Homework will roughly match the textbook assignments. Successful completion of MyMathLab homework will earn bonus points towards each exam, up to 20%.

MyMathLab provides instant feedback for each problem as you work through assignments, and opportunities to "help me solve this", and "ask your instructor", and options to repeat similar problems until you master each concept.

MyMathLab contains an online version of your textbook, links to video clips, practice exercises, animations, and unlimited tutorial exercises.

It will be your responsibility to use MyMathLab to familiarize yourself with the material covered each week, and to keep up with the course schedule in case of absences, class cancellations due to inclement weather, or instructor absence.

MyMathLab Registration instructions:

The codes you need to register online with MyMathLab are provided in **new** textbooks in the student registration packet, **OR** for a separate fee using a credit card.

Go to the website: www.coursecompass.com, and under "Student" click on "register."

You will be prompted to enter the code that comes with the packet. Please record your choices for your username and password. You will need them each time you log into MyMathLab. Your home computer may need to install "installation wizard", and "allow pop-ups on this site only". The zip code for Norwich is 06360.

When you return to the website and have logged in, click on our course name to proceed to the "homework" menu.

Our Course Code is: butler41306
Please be sure to log in to the correct course.

MAT075 Course Outcomes

1. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on a number line and appropriate use of inequality symbols with signed numbers.
2. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on a number line and appropriate use of inequality symbols with fractions.
3. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on a number line and appropriate use of inequality symbols with decimals.

4. Identify proportions
5. Find equivalent ratios
6. Solve proportions
7. Set up and solve application problems using rations and proportions.

8. Calculate perimeters, areas, and volumes of basic geometric shapes using appropriate units of measurement.

9. Solve first degree equations in one variable.
10. Solve basic word problems.

11. Use mathematics terminology effectively in writing and speaking.