

**Three Rivers Community College**  
**Pre-Algebra, Number Sense, Geometry -- MAT 075-T13**  
**T/Th 11:00 – 12:15 p.m.**  
**Spring 2013**

**Instructor:** Susan L. Hawes  
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**Office:** C-122

**Text:** Pre-Algebra, 6<sup>th</sup> edition, by Martin-Gay  
**MyMathLab Course Code**            **hawes31171**

**Credit:** 3 credit hours (this course credit does not count towards graduation requirements)

**Course Description:** This course focuses on basic arithmetic and pre-algebra skills. Topics include: whole numbers, fractions, decimals numbers, proportions, ratios, percents, perimeter, area, volume, applications, signed numbers, algebraic expressions and equations.

**Prerequisite:** Appropriate placement score. A grade of “C” or greater is required to pass this course.

**Course Requirements**

**Attendance:** Attendance is mandatory. If you miss class, due to emergency, it is your responsibility to get the notes & assignments from that class and stay up-to-date. A classmate’s phone number is a good “just in case” plan. Being absent is not an excuse for a missed or late assignment.

**Grading:** There will be four exams, including the final, each worth 20% of your course grade. There will be several unannounced quizzes, typically given at the beginning of class, so it is to your advantage to be on time. If I distribute the quiz before you arrive to class, your quiz grade will be a zero. **There are no make-up tests/quizzes.** At the end of the semester, the two lowest quiz scores will be dropped (this allows for an absence/tardy due to emergency). The quiz average will be equivalent to one exam grade and is, therefore, 20% of your course grade. Come to **every** class prepared for a quiz. Check [www.coursecompass.com](http://www.coursecompass.com) **daily** for possible announcements re: online assignment, quizzes, reminders, class cancellations, etc. Announcements on MML will be my primary contact with the class. Don’t miss something important because you didn’t check often enough.

**MyMathLab Homework (HW):** Homework is found at [www.coursecompass.com](http://www.coursecompass.com). Homework is critical to your success in this class and will be collected/recorded. As part of your HOMEWORK assignment, you will be expected to read the associated material from the text (online, if you didn't purchase text). A grade of 75 or higher is expected on HW.

- Take a sheet of paper out of your 3-ring binder
  - This allows you to flip your notes back-and-forth, yet have HW paper in front of you.
  - Since math is cumulative, you may have to refer to prior sections
- Have your class notes for corresponding section in front of you
- Label HW with section
  - if I ask to see the assignment or when studying, sections are easily found
- Write the problem from the computer in pen.
- Do the work/steps in pencil
- Follow the steps from your notes.
  - Do not turn to the computer for help unless you have *extensively tried* to follow your notes.
  - If you consistently can't follow your notes, then you need to personalize them more during class time.
  - Write short notes to yourself, in your own words, as to how we went from step-to-step.
  - Don't assume you will remember what is said in class; it's easy to forget. Write it down.
- If you get a problem wrong, choose "similar exercise" to get a new problem.
  - Cross out incorrect problem so when studying you won't look at it.
- When finished, print results page.
  - Turn in result page next class.
  - The HW is due the class after lecture on a section.
- Put homework/steps sheet in your 3-ring binder after the notes for that section.
- Use different sheets for each section, if you have more than one assignment for that day.

**Class Work(CW):** If there is time after the lesson, class work will be assigned. Class work expectations are the same as Homework expectations; refer above. EXCEPT:

- Quality, not Quantity
  - IF you don't finish the class work assignment, you do NOT have to finish it for homework.
  - HOWEVER, CW gives you good insight as to what types of problems I find "interesting" for a quiz/test.

**Bring to *Every* Class:**

- 3-ring binder w/loose leaf paper
- highlighter
- 2 pencils/pen

**Organization of Binder:**

- Class Notes
- Classwork (CW) – labeled with section
- Homework (HW) – labeled with section
- Quiz - after last section it covers
- Test - after last chapter it covers

**Supplementary Tools & Resources:**

- MyMathLab software
  - Study Plan: Individualized Practice
- Learning Center/TASC
  - Free tutoring!

**Class Cancellation**

MyMathLab Announcement  
Sign on Classroom Door

**Class Withdrawal**

If you find it necessary to withdraw from the class, it's important you submit the correct paperwork with the Registrar's office. If you do not file the correct paperwork and stop attending class before the 60% point, you will receive an N grade, as there is no basis for grading you.

**Disabilities Statement:** If you have a disability which may require classroom or test-taking modifications, please see Chris Scarborough. Proper documentation must be provided to me before accommodations can be made.

**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 ratios 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.