Mathematics in the Modern World
Math 101, Fall, 2007

Instructor: Dr. Teri Willard

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Meeting Time: Section 02, 9:00 am, M-F

Meeting Place: Bouillon Hall, Room 144

Office Hours: 10:00 – 11:00 M, Tu, Th;
2:00 – 3:00 M, Th; or by
appointment

Prerequisites: A minimum score on: the math section of the SAT of 500 **or**
the math section of the ACT of 19 **or**
the COMPASS test of 50 **or**
successful completion of Math 100B

Texts: *Using and Understanding Mathematics: A Quantitative Reasoning Approach*, 4th Edition, by Bennett & Briggs, Pearson, Addison/Wesley Publishers, 2004

Supplies: calculator [recommended: TI 83; required: required: a calculator with memory, exponential and log functions, however, a graphing calculator will make your life much easier], several colored portfolios (folders)

Course Description: This is a project–based course. This means that you will work on projects that will include writing. These projects will constitute approximately 30% of your grade. Other grades will consist of assignments in and out of class, quizzes, exams, and a final exam.

Course Rationale: Math 101 satisfies part of the basic skills requirement needed for graduation. The course consists of topics with applications to daily life. Math is all around us, and it is essential to gain an understanding of this subject. This class is designed to describe what mathematics is, how it is structured, and how it works.

Material Covered: Selected lessons from Chapters 2, 3, 4, 9, and 12 plus material from handouts. Topics: Problem Solving, Managing Your Money, Mathematics and Politics, and Mathematical Modeling.

Other Valuable Information: Remember, mathematics is like a foreign language. The only way to gain the skills required for success is through practice. This requires time and effort on your part. It you cannot spend the time to practice this language, then you will have problems successfully completing this course.
Statistics show that the greatest cause of failure is not doing the work and not attending class. The class will move fast and it will be your responsibility to catch up if you should miss. Attendance is not required, but there will be graded in–class assignments, activities, and quizzes that cannot be made up. Some of the material covered in this course is not in the textbook. You must attend class to receive this information. It is also expected that your presence will contribute to and never distract from the learning of others in the class. Attendance and appropriate participation in class is crucial to your success.

Work and Assessment: Please remember that organization, neatness, and legibility count! Following are descriptions of the types of assessments for this course.

Math Autobiography (**25** pts): See description sheet and due date for this assignment.

In and out of class assignments and quizzes (**100** pts): In–class activities, quizzes, and in-class homework will be collected and graded. There will be 12 such items at 10 points each. The lowest 2 grades will be dropped resulting in 100 points total for this category. This work **cannot** be made up. That is why **two** (2) grades will be dropped.

Group Projects (**150** points) There will be three (3) 50–point group projects that involve research, applying the mathematics in the unit, and writing. In general, a group will share the same grade. However, if it becomes apparent that a group member(s) is not contributing to the group effort, I reserve the right to make a decision on assigning grades accordingly. Directions for completing each project and a scoring guide will be given at appropriate times during the quarter. If you feel that you would rather do projects individually, please contact me well in advance.

Tests (**250** pts): There will be 3 50–point tests covering several chapters each and a comprehensive 100–point final. The final is to be taken at the scheduled time. Make-up tests will be allowed only for extraordinary circumstances.

Grades: total points = 525 from above
Grades will be assigned using the following percents determined by your scores from above.

93-100%	90-92%	87-89%	83-86%	80-82%	77-79%	73-76%	70-72%	67-69%	63-66%	60-62%	<60%
A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

Academic Honesty: There are times when it is proper to get help from others and times when it is not. Feel free to ask others for help on homework and activities. In addition, the projects are a group effort. However, during in–class quizzes and tests, you must do your own work. Academic dishonesty will not be tolerated during testing situations. In addition, plagiarism on the writing assignments will also not be tolerated. University policies will be followed on any type of academic dishonesty.

Suggestions for success: Many students find that forming peer study groups is very helpful to their success. In addition, there is a math-tutoring center (Hertz 104) where you can find additional help. My office hours are listed above and you can contact me for an appointment for additional help as necessary. The key factor is to not get behind. Mathematics is a cumulative subject where new topics depend upon mastery of previous concepts. For the projects, you may want to contact the writing center on campus to assist you in writing an acceptable paper.

Additional Note: Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Disability Support Services Office as soon as possible so we can discuss how the approved adjustments will be implemented in this class. Students without this form should contact the Disability Support Services Office, Bouillon 205, or dssrecept@cwu.edu or 963–2171.