Central Washington University
Instructor: Dick Trudgeon
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Math 101 Winter 2013

Office Hours: M-F 8-8:50, 11-12:50 and by arrangement

Special points of interest:

- **Warm up exercises will be assigned as homework and worth 5 points each. (Total approximately 100 points.)**
- **Study questions will be assigned as group homework and worth 15 points each. (Total approximately 300 points.)**
- **Other group homework will total approximately 40 points.)**
- **One group project will be worth approximately 70 points**
- **We will have 3 100-point exams and a final worth 150 points.**
- **A handwritten 3 x 5 note card may be used on tests.**
- **The first 3 tests may be retaken outside of class time at arranged times.**
- **Dates for exams will be announced in class.**
- **Grades are based on total point percentages, calculated to the nearest whole number.**

A=93%, B=83%, C=73%, D-63%

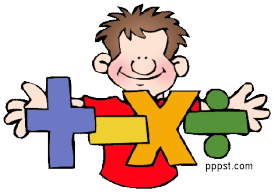
A minus grade would be (-3%) and a plus grade would be (+4%)

Course Summary

Math in the Modern World is mathematics for students who want a better understanding of the real-life mathematics that all people face. It is especially designed for those who have struggled with mathematics in the past. The course stresses the application of mathematics to personal and social issues, rather than stressing the abstract ideas found in many mathematics courses. This course is designed to prepare students to function in real-life situations involving quantitative data.

At CWU, Math in the Modern World is often selected to satisfy a General Education requirement for graduation. Basic course goals include:

- Becoming familiar with techniques from many branches of mathematics.
- Developing the ability to analyze quantitative information critically.
- Investigating real-world problems creatively.
- Understanding the connections between various mathematical methods.
- Using technology to help solve problems, experiment, interpret results and verify conclusions.
- Determining the reasonableness of solutions.
- Appreciating that the procedure for solving a problem is as important as the answer.



- Communicating knowledge in both everyday and mathematical language.

Necessities

1. Come to class. Math requires a daily commitment to become successful.
2. The required text is Case Studies for Quantitative Reasoning, 3rd Edition by Madison, Boersma, et al.
3. You should have a scientific calculator and preferably a graphing calculator. (I will be using a TI-84.) Bring it every day!
4. Get yourself the help you need. I am more than happy to help you as much as possible. Beyond that, form study groups and take advantage of the math center here on campus.
5. Participate in class discussions. The best learning takes place when students ask questions.