

**DEPARTMENT OF MATHEMATICS  
COLLEGE OF SCIENCES  
CENTRAL WASHINGTON UNIVERSITY  
COURSE SYLLABUS SPRING 2011**

1. **MATH 101 Math in the Modern World**

| <u>COURSE NUMBER</u> | <u>TIME/DAY</u> | <u>BLDG/ ROOM</u> | <u>INSTRUCTOR</u> |
|----------------------|-----------------|-------------------|-------------------|
| 30455                | 9:00 – 9:50     | Hertz 119         | Dr. Janet Shiver  |

2. **Textbook and Materials:**

- The text for this course is *Using and Understanding Mathematics*, 4<sup>th</sup> Edition, Bennett and Briggs.
- A graphing calculator is **required**. The TI- 84 or TI-84 plus is strongly recommended and will be used by the instructor for classroom demonstration. The instructor may not be able to answer questions concerning the operation of any calculator other than the TI-84.

3. **Office Hours and Phone Numbers:**

Office: Bouillon 117

Phone: 963-2834

Email: [shiverj@cwu.edu](mailto:shiverj@cwu.edu)

Office hours: 11:00-11:50 or by appointment

4. **Course Description:** This course is designed to help develop your ability to reason with quantitative information, develop your critical thinking and reasoning skills, and prepare you for the mathematics you may encounter in your other college courses. This course is designed to describe what math is, how it is structured, and how it works. This is a project-based course meaning that you will be asked to apply the skills you have learned in class to problems outside the classroom. These projects will involve writing as well as mathematics.

5. **Course Expectations:** Students will be expected to read the text prior to class, to complete all assigned problems on time and to seek outside assistance when difficulties are encountered. All outside assignments should be NEATLY written **in pencil** or typed and all supporting work must be shown. The daily assignments are a very important component of the course. The time devoted to assignment problems will pay off on tests and quizzes. The best way to insure successful completion of this course is to come to class and keep up with the assignments. Remember, mathematics is like a foreign language. To be successful in mathematics takes practice.

6. **Absence Policy:** Regular attendance is essential for successful completion of this course. A student absent from a test or other graded assignment will be given a zero unless excused in advance by the instructor. In class assignments cannot be made up! All approved make up work must be completed within three days of returning to class. Extenuating circumstances will be evaluated on a case- by- case basis. Please have supporting documentation available for review upon returning to class. ***More than 4 absences from this class may result in the student being dropped from the course with a grade of F for the quarter.*** Students entering late or leaving prior to the end of the class period may be counted absent for that day.

7. **Grading Policy:** The course grade will be determined as follows:

Average of Unit Tests = 45%

Average of Homework = 10%

Average of labs/activities /quizzes/projects = 25%

Comprehensive Final Exam = 20%

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

8. **Academic Honesty:** The integrity of students and their written and oral work is a critical component of the academic process. There are times when it is proper to get help from other and times when it is not. Feel free to ask others for help on homework, activities and take-home assignments and quizzes. During in-class quizzes and tests all work will be done individually. All written work submitted in this course must properly document all outside sources used. The submission of another's work as one's own is plagiarism, and will be dealt with using the procedures outlined in the Undergraduate Catalog.
9. **Course Outline:** This schedule is a rough outline of the topics covered in this course and may be modified by the instructor at any time.

| Week                 | Topic                             |
|----------------------|-----------------------------------|
| March 29             | Chapter 2A                        |
| April 4              | Chapter 2B and 2C                 |
| April 11             | Chapter 2C and 3A                 |
| April 18             | Chapter 3B, <b>Test 1</b>         |
| April 25             | Chapter 4A and 4B                 |
| May 2                | Chapter 4C and 4D                 |
| May 9                | <b>Test 2</b> , Chapter 8A and 8B |
| May 16               | Chapter 8C and 8D                 |
| May 23               | <b>Test 3</b> , Chapter 9A, 9B    |
| May 30               | Chapter 9C                        |
| June 9 <sup>th</sup> | <b>Final 8:00 – 10:00</b>         |

In the event of a fire alarm signal students will exit the building in a quick and orderly manner through the nearest hallway exit. Learn the floor plan and exits of this building. Do not use elevators. Crawl on the floor if you encounter heavy smoke. Assist disabled persons and others if possible without endangering your own life.