

Math 207 Syllabus

Winter 2016

Instructor: Jim Miller

Office: Black Hall 225-36, Phone 963-2990, Hours: 1:00-2:00, often earlier on Monday and Wednesday. I will also take appointments for other times. I can also be reached: email millerji@cwu.edu, cell 509 674 8138;. I do have classes M-F at 2:00 and 3:00 and a seminar at 12 on Tuesdays.

Text: No text. We will be creating materials.

Supplies: Paper, graph paper, sharp pencils, **scientific calculator** (graphing capabilities are NOT required but I recommend TI-83 or TI-84 if you are going to buy for other math classes).

Course Description: This course will deepen understanding of problems, especially contextual problems and how context can be used to guide and to open up possible approaches to problems. The course will expand approaches to problem solving and also build a more eclectic math background. Students will be creating problems, solving problems, and refining problems.

Expectations: It is expected that you have solid math skills, a positive attitude, and willingness to expand your understanding of the applications of mathematics. It is expected that you bring natural curiosity creativity to the class.

Attendance: Daily attendance is **expected** and considered a necessity for passing this course. It is **expected** that you actively participate in class. Attendance and appropriate participation in class is crucial to your success and will be recorded.

Homework and Grading: Your grade will be based on your production, commitment, and participation in class. You will be expected to produce a minimum of three ‘multiple choice’ contextual problem scenarios refined and edited. You will also be expected to help edit problems created by others and to provide feedback. A=**Three** contextual problem scenarios with solutions and full participation with others in their problem development and full attendance. B=**Two** contextual problem scenarios with solutions and full participation with others in their problem development and full attendance. C=**One** contextual problem scenario with solutions and full participation with others in their problem development and full attendance. F=anything less.