

## Course Philosophy

In this course, we will study problem-solving in the context of foundations of arithmetic.

## Student Outcomes

Students successfully completing Math 164 will demonstrate arithmetic operations and connections among content area via multiple representations.

## Instructor: Michael A. Lundin

Central Washington University  
Department of Mathematics, 400  
East 8th Avenue Ellensburg, WA  
98926-7424 Bouillon Hall Room  
108D

e-mail: [lundin@cwu.edu](mailto:lundin@cwu.edu)

## Office Hours

MWF 10:00-10:50

TTH 11:00-11:50

If you need to meet at any other time, please make an appointment with me. I use e-mail to avoid playing "phone tag."

Please talk to me if you need special accommodations due to a disability.

TEXT

*Explorations in Elementary Mathematical*

## Curriculum Guide

Week 1:  
Problem Solving

Week 2:  
Problem-Solving

Assessment 1

Week 3:  
Number Systems

Week 4:  
Bases

Week 5:  
Prime and Composite

Assessment 2

Week 6:  
Estimation and Mental Math

Week 7:  
Subsets of Real Numbers

Week 8:  
Subsets of Real Numbers

Assessment

## Course Requirements

### Quizzes

Brief Quizzes will be given approximately once per week.

### Homework Notebooks

#### Homework

1. will be assigned almost every day;
2. must be presented in an inexpensive PAPER folder, which will be collected two times during the quarter;
3. must be presented in order of the *day of assignment* with "Day n" written in the upper right hand corner of the first page of that day's assignment; and
4. must be complete, neat, and correct to receive full credit:

2 pts-mostly complete, neat, work shown supports solutions

1 pt-substantial content missing, not neatly presented, or work does not support solutions

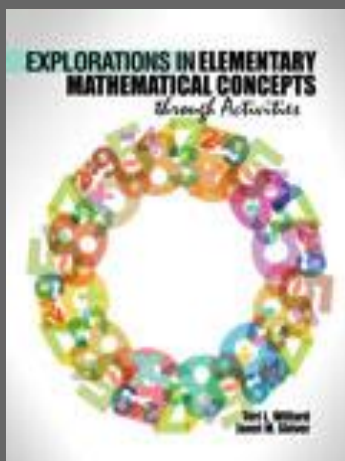
0 pts-substantial missed work, not submitted

### Exams

There will be three exams and a final exam.

## Concepts

Willard and Shiver



Subscription to the On-line Text:

[Paths to Math](#)

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Week 9:  
Algebra and  
Functions

Week 10:  
Algebra and  
Functions

**Final Exam:  
Date and  
Time to be  
determined.**

## Attendance, Missed Tests, Assignments

Class attendance is expected, and I will pass out a roll sheet every class day. (Class attendance is a reasonable predictor of grades in this course.) I expect tests to be taken on schedule and assignments to be completed the day after they are assigned. Correct them with feedback, and place them in your notebook in order of assignment day. *Assignments, quizzes, and tests may be made up **only** if the student and instructor agree on a time **before** a deadline.*

Assessments	Percent of Final Grade	Final Point Distribution	Final Grade
Homework	15%	93-100%	A
Projects	15%	90-92%	A-
3 Midterm Exams	40%	87-90%	B+
Final Exam	30%	83-86%	B
		80-82%	B-
		77-79%	C+
		73-76%	C
		70-72%	C-
		67-69%	D+
		63-66%	D
60-62%	D-		
		Below 60%	F