

# MATH 130—WINTER 2009

Instructor: Steve Stein

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## COURSE SUMMARY

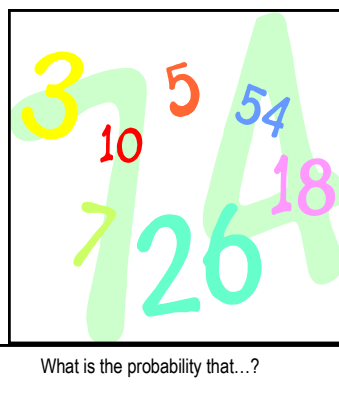
At CWU, Finite math is one of the courses that can be selected to satisfy the *reasoning* requirement for graduation. It is real-world applicable and serves to prepare students for research and statistical courses at a later date.

It has been said that Finite math is *for the information age*. *Finite math courses originated in the 1950's with the common orientation of studying finite, or discrete, problems as opposed to the continuous problems investigated in Calculus.*

*Finite Math courses typically include logic, set theory, counting principles, statistics and decision making*

### NECESSITIES:

1. Come to class! Math requires a daily commitment
2. Textbook: *Finite Mathematics, introductory probability & statistics* (Owen & Cutlip)
3. Scientific calculator: should have graphing capabilities (I will usually use a TI-83+)
4. Participate in class
5. Communicate with the instructor...email, office hours...
6. Take advantage of the Math Learning Center in Hertz Hall. Tutoring is available!



What is the probability that...?

Office hours—

Typically 9:00-10:00

Available upon request

Black Hall 225-35

509.963.2296

### Topic & Chapters

|                          |    |
|--------------------------|----|
| Counting & Probability   | 6  |
| Adv. Counting & Prob.    | 7  |
| Random Variables, Distr. | 8  |
| Statistics               | 9  |
| Games & Decisions        | 10 |

### Special points of interest:

- The course is designed to be very deliberate...problems on HW will be similar to problems on the quizzes and tests.
- Communicate with me about how things are going...I am available to provide assistance!
- Homework problems will be posted on blackboard

## SPECIAL POINTS OF INTEREST

- Daily homework is assigned, but not collected.
- Be prepared for up to one graded quizzes per section. Problems will be similar to hw problems. HW can be used on quizzes.
- There will be four tests and a final exam. A 3x5 note card can be used on tests.
- The first four tests can be retaken outside of class (in order to take advantage of this students must demonstrate completion of hw for the chapter!) Maximum grade for retake is improvement of two grades (no grade above a B for retakes).
- Grades based on total points and % (quizzes— 100 pts, tests 300 points, and final 150 pts.)