

COURSE SYLLABUS

Math 130 -004 Finite Mathematics Fall 2014
Hertz 122 9:00 – 9:50AM Monday - Friday

Instructor: Dr. Cen-Tsong Lin

Office: Bouillon Hall 108B, Tel: (509) 963-2842

E-mail: ctl@cwu.edu

Office Hours: 10:00 – 10: 50, Monday – Friday or by appointment

Course goals: This course is designed to help students become capable of critical thinking, master the counting procedures, probability, random variables and their probability distributions. After finishing this course, students are expected to be able to apply those skills in quantitative decision makings and lay a solid background for statistics courses.

Course description: This course meets General Education "Basic Requirements (D)" and prepares student for introductory statistics courses in various departments. It covers the language of sets, counting procedures, introductory probability, decision-making, and introductory statistics.

Required Text: Bill Owen and Fred Cutlip, Finite Mathematics: Introductory Probability and Statistics, Hayden-McNeil

Calculator: A TI-83/84 Plus graphing calculator is **required**

Course outlines:

- Introductory counting and probability
- More on counting and probability (including conditional probability, independence, Bayes' theorem)
- Random variables and their probability distributions (including binomial and normal distributions, normal approximation to binomial distribution)
- Introductory statistics

Course Policies:

Attendance: Daily attendance is expected and considered necessary for success. Please bring the textbook and your graphing calculator to each class meeting. You are responsible for any announcement made during the class regarding homework, quizzes, and exams. (Also avail at Canvas)

Homework: Daily homework will be assigned. It is your responsibility to keep up with these assignments. **Only assignments with DUE Date need be submitted.** The quizzes and tests are based on the homework problems assigned, not limited to those required submission. I expect you do homework every day after class and will answer your question you have before we proceed to the next topic or section.

Quizzes: Three 20-point quizzes. (20 minutes, 3 or 4 problems each)

Tests: Three 100 points exams will be given every third Friday starting 10/10/2014.

Make-up tests will be given only when you can document a circumstance that is beyond your control that prevent you from taking the exam.

Final Exam: 150 points, comprehensive, 8 – 10 AM, Tuesday, 12/9/2014

Your **final grade** will depend on:

Homework	40 points	
Three quizzes	60points	
Three tests	300 points	
Final exam	150 points	Total 550 points

Course grade will be assigned based on the following scale:

	93% → A	90% → A-
87% → B+	83% → B	80% → B-
77% → C+	73% → C	70% → C-
67% → D+	63% → D	60% → D-

I reserve the right to adjust the above scale (in student's favor) if deemed appropriate.