

COURSE SYLLABUS

Math 130 -004 Finite Mathematics Spring 2015
Hertz 122 10:00 – 10:50AM Monday - Friday

Instructor: Dr. Cen-Tsong Lin

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

E-mail: ctl@cwu.edu

Office Hours: 9:00 – 9: 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.

Homework: Daily homework will be assigned with specified submit method (on paper or online using Canvas) and due date. No late homework will be accepted.

Tests: There will be three 100-point tests, tentative testing dates are 4/17, 5/8 and 5/29. Those tests are based on the homework problems and examples we did in class.

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

Final Exam: 150 points, comprehensive, 8 – 10 AM, Tuesday, 6/9/2015

Your **final grade** will depend on:

Homework	100 points	
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.