Instructor: Dr. Cen-Tsong Lin

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Office Hours: 11:00 – 11: 50, Monday – Friday or by appointment

Course goals: This course is designed to help students become capable of critical thinking, mater 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 announcements made during the class regarding homework, quizzes, and exams. The daily assignment and class handouts will also be posted at the class website: www.cwu.edu/~ctl.
Homework: Daily homework will be assigned. It is your responsibility to keep up with these assignments. Although these assignments will NOT be collected or graded, they will be the basis for all of the quizzes and exams. I expect you do homework every day after class, if you have any question, I will answer your questions before we the next topic and section.

Quizzes: Seven quizzes (20 points each) will be given on every Friday except 10/5, 10/26, 11/16. **The best five scores will be used in your total points**. NO MAKE-UP QUIZZES will be given.

Tests: Three 100 points exams will be given every third Friday starting 10/5. Make-up exams will be given only when you can document a circumstance that is beyond your control and expectedly prevented you from taking the exam.

Final Exam: 150 points, comprehensive, 8 – 10 AM, Wednesday, 12/5/2012

Your **final grade** will depend on:

Five quizzes	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.