

Math 130-008 Finite Mathematics Fall 2008
2:00 – 2:50 P.M. Monday – Friday Hertz 122

Instructor: Cen-Tsong Lin

Office: Bouillon 108B, Tel: 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 basic principles of counting and probabilities, and be able to apply those skills in quantitative decision makings.

Course description: This course meets General Education "Basic Skills (D)" requirement 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*, Thomson Learning

Calculator: A scientific calculator is required in class and writing exams. TI-83/84 Plus graphing calculator is recommended.

Course outlines:

- Introductory counting and probability (Chapter 6)
- More counting and probability including conditional probability, independence, Bayes' theorem (Chapter 7)
- Random variables and probability distributions (Chapter 8)
- Introductory statistics (Chapter 9)

Course Policies:

Attendance: Daily attendance is expected and considered necessary for success. Please bring the textbook and a calculator to each class meeting. You are responsible for any announcement made in class regarding homework, quizzes and exams.

Homework: Daily homework will be assigned from the textbook. It is your responsibility to keep up with these assignments. Although these problems will not be collected or graded, they form the basis for all of the quizzes and exams. Daily homework assignments and their solutions are posted at the following website: <http://www.cwu.edu/~ctl>

Quizzes: Seven quizzes (20 points each) will be given on following **Fridays:** 9/26, 10/3, 10/17, 10/24, 11/7, 11/14 and 12/5. Top 5 quiz scores will be counted toward your course grade. **NO MAKE-UP QUIZZES** will be given.

Tests: Three 100 points tests will be given on following **Fridays:** 10/10 (Test 1), 10/31 (Test 2) and 11/21 (Test3). Make-up test will be given only when you can document a circumstance that is beyond your control and unexpectedly prevented you from taking the exam.

Note: Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Disability Support Services Office as soon as possible so we can meet to discuss how the approved adjustments will be implemented in this class. Students with disabilities without this form should contact the Disability Support Services Office, Bouillon 205 or dssrecept@cwu.edu or 963-2171 immediately."

Grading:

- Five quizzes 100 points
- Three in-class tests 300 points
- Final exam (comprehensive, Wednesday, 12/ 10, 12:00 – 2:00) 150 points

Course grades will be assigned based on the following scale: (out of 550 total points)

478 – 494: B+	511 – 550: A	495 – 510: A-
423 – 439: C+	456 – 477: B	440 – 455: B-
368 – 384: D+	407 – 422: C	385 – 406: C-
0 – 329: F	346 – 367: D	330 – 345: D-