

**Basic Statistics**  
**STA 1053-002, Spring 2003**

**Instructor:** Dr. Ming-Ying Leung  
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**Office Hours:** TR 11:00 – 11:30 a.m., 2:00 - 3:00 p.m. or by appointment.

**Course Objectives:** To develop the basic skills in statistics and probability that are necessary in sciences, engineering, mathematics, business, social sciences, and education.

**Scope:** The course will cover basic descriptive statistics, probability, random variables, binomial and normal distributions, estimation and hypothesis testing, simple regression, and applications of the chi-square distribution.

**Prerequisite:** Satisfactory performance on placement exam.

**Text:** Elementary Statistics, 8th edition, by Mario F. Triola.

**Syllabus:** Chapters 1 - 10 of Textbook (only selected sections will be covered in some chapters).

**Calculator and Scantron:** Please bring an operative calculator and scantron (882-ES) to all classes and exams. I recommend Texas Instrument TI-83 which will make life much easier..

**Grading:** Five tests (15% each) on 1/23, 2/20, 3/13, 4/3, 4/17 (all Thursdays).  
Final. (25%) on Monday 5/5 at 10:30 a.m. - 1: 15 p.m.

**NO MAKEUP TEST** will be given except for emergency or medical reasons. In such cases, the student should submit a written request accompanied by official documents to arrange for a makeup test. **Failure to inform me within 48 hours of the test will void the makeup option.**

**LAST DAY TO DROP** an individual course and receive a grade W is March 14, 2003.

**CORE AND DOMAIN OBJECTIVES:**

This course may be taken to fulfill the Core Curriculum requirement in Mathematics under Domain I, Science, Technology, and Mathematics. Please see pp.6-7 in the 2000-2002 Undergraduate Catalog for Core and Domain Objectives.

**UNIVERSITY POLICY ON DISHONESTY:**

*Policy on cheating:* Students are expected to be above reproach in scholastic activities. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. According to the Regents' *Rules of Regulations*, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22, "Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." Since scholastic dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.