

## **MAT 114 — Introduction to Statistics and Probability**

Spring 2009

Professor: Dr. Bryan Dawson (x5268, bdawson@uu.edu, www.uu.edu/dept/math/Dawson/

Course webpage: www.uu.edu/personal/bdawson/courses.htm

Text: Statistics—Informed Decisions Using Data, second edition, Sullivan, w/MyMathLab

**Prerequisites:** Two years of high school algebra.

**Subject matter:** We will cover portions of chapters 1–10 of the textbook. Material includes data collection, display and summarization, probability, discrete and continuous probability distributions, estimation, hypothesis testing, and correlation. The objectives will be to help students begin to “think statistically” and to develop the students’ skills in using one of the tools God has given us to understand His creation.

**Tests:** Four one-hour tests will be given, after chapters 3, 6 and 8 and during chapter 10. Makeup tests will be given only in circumstances deemed reasonable by the instructor (see Numbers 9:6–13), but they must be taken before the class meeting following the exam unless prior arrangement is made with the instructor. A comprehensive final exam will be given. It will be over all material covered in the course, including material presented after the last one-hour test.

**Homework:** Daily assignments will be given from the textbook. Graded homework will be completed online using MyMathLab. Graded homework is not accepted after the posted deadline. MyMathLab can also be used for additional practice on the regularly-assigned daily homework. **Use the course code dawson31237 when enrolling in MyMathLab.**

**Class participation:** Either immediately before class or during the first three minutes of class, students are to put on the chalkboard solutions of homework problems from the previous day’s assignment (from the textbook). Each student is expected to put up at least 10 problems during the semester (no more than one per day). No two students may put up the same problem.

**Final grades:** A student’s final grade will be based on the MyMathLab homework (100 points total), hour tests (100 points each) and final exam (200 points). A penalty will be assessed (points deducted) for not meeting the requirements listed under “class participation;” the penalty shall be 3 points per problem not completed, to be deducted from the semester homework score. The homework grade will consist of the student’s ten best MyMathLab assignments. The grading scale will be 92–100, A; 83–91.9, B; 74–82.9, C; 65–73.9, D; 0–64.9, F.

**Calculators:** A TI–83 or TI–84 calculator is required and will be needed for some test questions. The professor reserves the right to limit the use of the calculator on a test by specifying the method to be used on a particular problem.

**Academic dishonesty:** Acts of cheating or plagiarism will result in an automatic F for this course and will be reported to the office of the provost for possible further action.

**ADA accommodations:** In compliance with the Americans with Disabilities Act, appropri-

ate accommodations will be made to meet documented needs. Please talk with me about your individual needs following the first class meeting.

**Classroom decorum:** All cell phones must be turned off while in the classroom. No cell phone is to be visible during tests. No brimmed hats are to be worn during tests.

**Assistance:** Tutoring is available in the Hundley Center, located on the second floor of the library, and a math lab is available (contact the Hundley Center for location and time) for those who seek answers to a small number of questions or who wish to work on assignments where someone is present to answer occasional questions. All these services are rendered at no additional cost to the student! The professor will also give short-term help (in his office); the student is expected to make a reasonable attempt at working the problems before coming for help.

**Office hours:** 3:00–3:50 MWF and 9:30–11:30 TR, or by appointment, in PAC C–56.