SYLLABUS **FALL 2009**

MATHEMATICS 1040 (section 2)
Introduction to Statistics and Probability (3 credits)
11:50 am – 12:40 am MWF JFB 102

Textbook: Elementary Statistics – Picturing the World, by Ron Larson and Betsy Farber
Custom Edition for the University of Utah (fourth edition)

Instructor: Christopher Hacon; office JWB 301
e-mail address : hacon@math.utah.edu
course web page: www.math.utah.edu/~hacon/1040.html

Office hours: Monday: 10:45am - 11:40 am
Wednesday: 9am - 9:30 am, 10:45am - 11:40 am
Friday: 10:45 am - 11:40 am

YOU MUST TURN OFF YOUR CELL PHONES/TEXT MESSAGING WHILE YOU ARE IN CLASS.

Prerequisites: C or better in Math 1010 (Intermediate Algebra), or at least a score of 23 on the math portion of the ACT, or the appropriate score on Math Placement Exam (Testing Center). This means that you should be able to manipulate variable expressions, work with simple linear equations and graphs, work with fractions, exponents and radicals.

Course: Math 1040 is the introductory statistics and probability course. We will learn how data is collected, organized, analyzed and interpreted, how to determine the probability that an event will occur, how to create and use probability distribution, how to recognize normal (bell-shaped) distributions and how to use their properties in real-life applications.
Statistics and probability are applicable to a wide variety of academic disciplines, from the natural and social sciences to the humanities, government and business.
The course is based on chapters 1 – 5, and section 9.2. You are expected to read each section that we cover. We will also try to bring and analyze recent newspaper/magazine articles that describe the results of a statistical study.

Homework: Homework problems are assigned for each section. Homework will not be collected, but I strongly recommend that you do these problems.

Quizzes: Approximately every 2 weeks there will be a quiz covering the material that we have done. The problems will be very similar to the text or examples that we have done in class; or the assigned suggested homework problems. No make-up quizzes will be given, but the 2 lowest quiz scores will be dropped at the end of the semester.

Exams: You will have 3 exams (50 minutes each). The lowest exam score will be dropped. You MUST bring a valid ID to the exam. Absence from an exam will be excused only if you can

provide verifiable and convincing evidence that you have a significant illness or serious family crisis that will prevent you from attending. Except under extremely unusual circumstances, you must inform me in advance of the missed test. You are expected to promptly make arrangements with me to make up the test. The first exam is scheduled for September 30th (Wednesday), the second exam is scheduled for November 4th (Wednesday), and the third exam is scheduled for November 23rd (Monday).

Final Exam (comprehensive): Friday, December 18th , 10:30 am-12:30 pm.

Grading policy: Your grade will be based on:

Quizzes (4)	20%
Exams (2)	40% (20% each)
Final exam	40%

Calculators: You will need a calculator for this course. A scientific calculator will be sufficient.

ADA Statement: The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic learning, and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations that you may require for this course.

Withdrawals: You may withdraw from the class without consulting anyone until October 23rd (Friday). If you withdraw before September 2nd (Wednesday) there will not be any tuition penalty.

Tutoring: The Rushing Math Center offers free drop-in tutoring, a computer lab, and study areas for undergraduates. The Rushing Student Center is adjacent to the LCB and JWB. The hours for the Spring semester are: 8 am – 8 pm Monday-Thursday and 8 am – 6 pm on Friday. The tutoring center will open the second week of classes.