## **SYLLABUS**

## **SPRING 2014**

MATHEMATICS 1040 (Section 1) Introduction to Statistics and Probability (3 credits) 9:40 am – 10:30 am MWF OSH 202

**Textbook:** Elementary Statistics: Picturing the World, by Ron Larson and Betsy Farber Second Custom Edition for the University of Utah (Taken from: fifth edition) (Taken from: Elementary Statistics: Picturing the World, by Ron Larson and Betsy Fifth Edition)

You are required to print and bring to every lecture the handout available on my course web page: www.math.utah.edu/~ahacon/1040.html

Instructor: Aleksandra Jovanovic-Hacon; office JWB 204 e-mail address : <u>ahacon@math.utah.edu</u> course web page: www.math.utah.edu/~ahacon/1040.html

Office hours: Monday: 8:30 am- 9:25 am Wednesday: 8:30 am - 9:25 am Friday: 11:45 am - 12:45 pm

## PLEASE TURN OFF YOUR CELL PHONES WHILE YOU ARE IN CLASS <u>(includes text messaging)</u>. IF YOUR CELL PHONE RINGS DURING CLASS YOU WILL BE ASKED TO LEAVE. **The use of headphones/computers/laptops is not allowed in class.**

**Prerequisites**: C or better in Math 1010 (Intermediate Algebra), or University Math Placement score of 3, or Accuplacer CLM (College Level Math) score of 50 or better (through the 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 sections 9.1 and 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.

For every hour of lecture, the university requires/suggests that you invest 2-3 hours of additional work (every week). For this 3 credit hour class, it means that you need to put in 6-9 hours of additional work on a weekly basis.

**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 (regardless of the reason), but the 3 lowest quiz scores will be dropped.

**Exams:** You will have 3 exams (50 minutes each). You MUST bring a valid ID to the exam. **No make-up exams will be given (regardless of the reason), but the lowest exam score will be dropped. Please plan ahead of time.** 

The first exam is scheduled for February 12th (Wednesday), the second exam is scheduled for March 19th (Wednesday), and the third exam is scheduled for April 11th (Friday).

Final Exam (comprehensive): Thursday, April 24th, 8 am-10 am.

I will not allow students to take early/late final, so do not schedule your trip before this date, and do not ask me to give you extra time to study.

## Grading policy: Your grade will be based on:

Quizzes (4)	25% total
Exams (2)	20% each (40% total)
Final exam	35%

**<u>Calculators</u>**: You will need a calculator for this course. A scientific calculator will be sufficient. You are required to bring the calculator to every lecture/exam since I do not provide the calculator for students. You are not allowed to use your cell phone as a calculator.

**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 February 28th (Friday). If you withdraw before January 15th (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.