MATHEMATICS 1040 (Summer 2014)  
Introduction to Statistics and Probability (3 credits)  
11:00 am - 12:10 pm MWF AEB 350  

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

**Instructor**: Tony Lam; office JWB 121; tel (801) 585 - 1648 (no answering service)  
e-mail address: lam@math.utah.edu  
web: www.math.utah.edu/~lam/1040/1040.html  

**Office Hours**: Tuesday, Thursday 11:00 AM - 12:00 PM or by appointment  

PLEASE TURN OFF YOUR CELL PHONES WHILE YOU ARE IN CLASS  

**Prerequisites**: One of the following: (1) "C" or better in (MATH 1010, 1030, 1050, 1070, or 1090),  
(2) Accuplacer CLM score of at least 50, (3) ACT Math score of at least 23, or (4) SAT Math score  
of at least 540.  

**Calculators**: 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.  

**Course Topics**: How to collect, organize, analyze, display, and interpret data; deviation, variance  
and standard deviation, Empirical rule; basic concepts of probability and counting, conditional prob-  
ability, multiplication and addition rule; probability distributions, binomial distributions; standard  
normal (bell-shaped) distributions.  

This course is based on chapters 1-5. After each chapter will come an exam, similar to the chapter  
quizzes found in the text. You are expected to read each section that we cover. After chapter 5 we  
will study extra topics from the text.  

For every hour of lecture, the university requires/suggests that you invest 2 to 3 hours of additional  
work (every week). For this 3 credit hour class, it means that you need to put in 7 to 10.5 hours of  
additional work on a weekly basis. Here are suggestions to help you focus on how to budget time:  

1) Read the section prior to class. Load up a question or two to ask during lecture.  
2) Review your notes after each lesson and before the next. I recommend doing this before homework.  
3) Work through examples and the "Try It Yourself" questions.  
4) Budget time for homework and stick that schedule. Work into a regular schedule, but this requires  
adjusting the length it takes you. Let me know immediately if problems come up.  
5) Try suggested problems if you need extra help with the assigned problems.  

**Tutoring**: The T. Benny Rushing Math Center offers free drop-in tutoring, a computer lab, and  
study areas for undergraduates. The rooms are in the basement of LCB and JWB.  

The hours for the summer semester are 8 am to 8 pm Monday-Thursday and 8 am to 4 pm on Friday.  
The tutoring center will open May 14.
Homework: Homework is assigned after each lesson and due the next session. The problems will be from the textbook.

Exams: You will have an exam on the following dates for the full session:

Chapter 1 Exam - May 23
Chapter 2 Exam - June 13
Chapter 3 Exam - July 2
Chapter 4 Exam - July 11
Chapter 5 Exam - July 21

You MUST bring a valid ID to the exam. No retakes are allowed.

Final Exam: Friday August 1. 10:00 AM - 12:00 PM in AEB 350. I will not allow an early/late final.

Algebra Diagnostic and Extra Topics: The algebra diagnostic and extra topics quiz are non-graded. The algebra diagnostic will be given on May 14, and the extra topics quiz will be given on July 28. The combined score of the diagnostic and extra topics quiz may replace a chapter exam.

Grading Policy: Your grade is based on:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Homework</td>
<td>25% Total</td>
</tr>
<tr>
<td>Exams (5)</td>
<td>10% Each (50% Total)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
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Calendar: Bold dates are important for the course, but I’ve included some academic dates:

May 14, Wednesday - Algebra Diagnostic
May 18, Sunday - Last day to add without a permission code.
May 21, Wednesday - Last day to drop.

May 23, Friday - Chapter 1 Exam
May 26, Monday - Holiday. No class.
May 27, Tuesday - Last day to add, elect credit/no credit, audit.

June 13, Friday - Chapter 2 Exam
June 20, Friday - Last day to withdraw. July 2, Wednesday - Chapter 3 Exam
July 4, Friday - Holiday. No class.

July 11, Friday - Chapter 4 Exam
July 21, Monday - Chapter 5 Exam
July 24, Thursday - Holiday. No class.
July 25, Friday - Last day to reverse credit/no credit.

July 28, Monday - Extra Quiz
August 1, Friday - Final Exam (Cumulative)

Americans With Disabilities Act: 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.