

# STA 2023 Introduction to Statistics I Summer B 2011

**Instructor:** Laura Mori

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**Office hours:**

MWF 3:30pm – 4:45pm, or by appointment

**Section:** 5125      **Period:** 5<sup>th</sup>      **Days:** MTWRF      **Room:** CAR 0100

**Teaching Assistants:** Wei Feng, Yeun Ji Jung and Xuan Luo

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**Office hours:** MTWR 3<sup>rd</sup>- 4<sup>th</sup> periods (11:00am – 1:45pm), Griffin Floyd 104  
TR 6<sup>th</sup>- 7<sup>th</sup> periods (3:30pm – 6:15pm), Griffin Floyd 104

## Course Description and Objectives:

Introduction to Statistics I focuses on the following topics:

Graphical and numerical descriptive measures, probability, conditional probability, probability laws, discrete random variables, binomial and normal random variables, sampling distributions, central limit theorem, large and small sample confidence intervals for parameters associated with a single population and for comparison of two populations. Hypothesis testing for large and small samples.

## Required Materials:

1. **Statistics: The Art and Science of Learning from Data 2<sup>nd</sup> edition (Textbook)**, by Alan Agresti and Chris Franklin, Prentice Hall, 2008. Although the textbook will not be used for any graded assignments or required readings, you will still find it useful as a source of extra problems and as a reference for additional information or alternative explanations.
2. **Statistics: The Art and Science of Learning from Data 2<sup>nd</sup> edition (Lab Workbook)** by Maria Ripol, Megan Mocko, Alan Agresti, Christine Franklin, Prentice Hall, 2008. We will cover all 10 chapters of the workbook.
3. **Scientific or Graphing Calculator** that has some basic statistical functions like mean and standard deviation (look for the following symbols:  $\bar{x}$  and either  $s$  or  $\sigma_{n-1}$ ). Please be aware that saving notes into a calculator and accessing them during an exam is considered cheating and will be dealt with accordingly.

**Course Website:** [http://www.stat.ufl.edu/~lmori80/summerb\\_2011](http://www.stat.ufl.edu/~lmori80/summerb_2011)

Announcements, Suggested Homework Problems, Exam Practice Problems and Grades will be posted on the course website. **Note: Lectures will NOT be available online.**

**Suggested Homework Problems** - These problems will not be collected, but they are a good way to help you master the material.

**Quizzes:** There will be ten quizzes, each worth 20 points given in class during the semester. All quizzes are closed-book and in multiple-choice format. **All students must bring the following to the quiz: their student ID number or picture ID, a calculator, and pencils.**

**THERE WILL BE NO MAKEUP QUIZZES FOR ANY REASON.** Instead, the **lowest two** quiz grades will be dropped.

**Exams:** There will be two exams, each worth 120 points, given in class during the semester. All exams are closed-book and in multiple-choice format. **All students must bring the following to the exam: their student ID number or picture ID, a calculator, and pencils.**

**In case of conflict or illness,** if a student is unable to take an exam at the scheduled time, they must get in touch with the instructor immediately, for any arrangements to be made for a makeup. Each case will be reviewed individually. Valid and detailed documentation is a prerequisite under such extenuating circumstances. A grade of zero is the minimum punishment of any type of dishonesty on an exam.

Below is a tentative schedule for the quizzes and exams:

Quiz 1	Tuesday, June 28, 2011 (in class)	Chapter 1
Quiz 2	Thursday, June 30, 2011 (in class)	Chapter 2
Quiz 3	Wednesday, July 6, 2011 (in class)	Chapter 3
Quiz 4	Thursday, July 7, 2011 (in class)	Chapter 4
Quiz 5	Friday, July 8, 2011 (in class)	Chapter 5
Quiz 6	Tuesday, July 12, 2011 (in class)	Chapter 6
Exam 1	Thursday, July 14, 2011 (in class)	Chapters 1-6
Quiz 7	Monday, July 18, 2011 (in class)	Chapter 7
Quiz 8	Friday, July 22, 2011 (in class)	Chapter 8
Quiz 9	Wednesday, July 27, 2011 (in class)	Chapter 9
Quiz 10	Thursday, August 4, 2011 (in class)	Chapter 10
Exam 2	Friday, August 5, 2011 (in class)	Chapters 7-10

## Course Assessment:

### Grade Structure:

Quizzes	160 points $\approx$ 40%
Exam 1	120 points $\approx$ 30%
Exam 2	120 points $\approx$ 30%
TOTAL	400 points

### Grading Scale:

A	360 to 400 points
A-	354 to 359 points
B+	338 to 353 points
B	320 to 337 points
B-	314 to 319 points
C+	298 to 313 points
C	280 to 297 points
C-	274 to 279 points
D	240 to 273 points
E	0 to 239 points

## Course Policies:

**Email** – will be answered within one working day in most cases. **PLEASE BE AWARE THAT STATISTICAL QUESTIONS SHOULD BE ANSWERED IN PERSON (IN CLASS OR DURING OFFICE HOURS)** since they often require pictures and formulas that make it very hard to communicate through email.

**Attendance** – although not required, is very highly recommended. This class is NOT offered online. If you miss a class for any reason, it is your responsibility to get a copy of the notes and all information given in class from another student. Additionally, during class students should turn off their cellular phones and refrain from eating, drinking, reading newspapers, doing homework, listening to music and excessive talking.

**Privacy Policies** – Student records are confidential. Only information designated as UF directory information may be released without your written consent. This includes requests from parents or anyone else who contacts me about your performance in the class.

**Academic Honesty** – All students are required to abide by UF's academic honesty guidelines. For students in this course, the relevant portions can be summarized as follows: Do not cheat.

**Grading** – grades will be changed only when an error has been made. Negotiation is not appropriate.

**Incompletes** are only assigned when extraordinary circumstances, arising after the date for dropping the course, prevent the student from completing the course requirements. Having a failing grade in the course is not a valid reason for requesting an Incomplete.

**Students with Disabilities** - Students who require special accommodations in class or during exams should follow the procedures outlined by the Disability Resources Program (<http://www.dso.ufl.edu/drpf/>). Please see the instructor during office hours early in the semester, to discuss your accommodation letter confidentially.