

# STA 3024

## Section 5126

Little Hall 101

# Introduction to Statistics 2

## Summer B 2010

MTWRF 4<sup>th</sup> Period (10:40-11:30am)

### **Instructor:**

Danielle Boree  
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### **Teaching Assistants:**

Laura Thayer	<a href="mailto:laura85@stat.ufl.edu">laura85@stat.ufl.edu</a>
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### **Course Website:** [www.stat.ufl.edu/~boree/STA3024/](http://www.stat.ufl.edu/~boree/STA3024/)

The course website and your UF email will be used as the primary methods of communication in this course. I will try to avoid spamming your email inboxes! Since we will be meeting every day, please be sure to check both your UF email and the course website *daily* for updates.

### **Course Description and Objectives:**

STA 3024 is a second course in statistics that applies tools from STA 2023 to develop a variety of statistical methods that can be used to make decisions with data in the real world.

This course is intended to be accessible to students both with and without a mathematical background, as no calculus is required. The following topics will be covered:

- Contingency tables and the chi-squared test
- Analysis of variance in both one-way and two-way layouts
- Regression, with an emphasis on inference
- Nonparametric methods

### **Textbook:**

*Statistics: The Art and Science of Learning from Data*, 2<sup>nd</sup> Edition,  
by Alan Agresti and Chris Franklin, Prentice Hall, 2008.

**NOTE:** We will use this textbook to assign homework problems, so it is important that you have regular access to the assigned text.

### **Office Hours:** MTWR, 5<sup>th</sup> Period and by appointment

Since we have only 6 weeks to cover a lot of material, office hours will be held every Monday, Tuesday, Wednesday, and Thursday by either myself or one of the Teaching Assistants.

*If you have a conflict with the assigned office hours, please do not hesitate to email any of us to schedule an appointment!*

### **Attendance:**

Attendance is not required (except on exam days), though it is strongly recommended.

## **Graded Assignments:**

Exam 1	Friday, July 9 <sup>th</sup>	20%
Exam 2	Friday, July 23 <sup>rd</sup>	20%
Final Exam	Friday, August 6 <sup>th</sup>	30%
Homework Assignments	Due Every Friday	30%

## **Exams:**

We only have 6 weeks to cover all course material; to avoid the situation where just one exam makes-or-breaks your course grade, we will have 3 closed-book exams. Exams will be given every other Friday. The Final Exam will be cumulative, but with stronger emphasis on material not covered by Exams 1 and 2.

*If you are unable to take an exam due to a legitimate conflict or illness, you must contact me **as soon as possible** to discuss your options. Valid documentation will be required for any make-ups.*

On the Thursday afternoon before Exams are given, a TA will hold a brief group help session for those students who have questions on material to be covered by the Exam.

## **Homework:**

Homework will be assigned each Monday and due each Friday. On weeks where a homework assignment and an exam fall on the same day, students will be given the option to turn in homework on the following Monday without a late penalty.

Students are allowed (and encouraged) to work in groups to complete homework assignments. However, simply copying another student's work is not permitted and will be considered a violation of UF's academic honesty standards.

Late homework will be accepted, but with a 15% penalty per school day.

## **Calculators:**

For this course, you will need a calculator that can at least perform arithmetic and square roots. A scientific or graphing calculator is recommended. (If it was fine for STA 2023, it will be fine for this course.) Please be aware that saving notes into a calculator and accessing them during an exam is considered cheating and will be dealt with accordingly.

## **Academic Honesty:**

All students are required to abide by UF's academic honesty guidelines. Academic dishonesty will be taken seriously. Don't cheat!

## **Students with Disabilities:**

Student needing accommodations for disabilities are encouraged to register with the Dean of Students Office, who will provide documentation to the student. The student should provide this documentation to me privately as soon as possible.

Please visit <http://www.dso.ufl.edu/drp> for more information.