

STA 3024

Section 7454

Introduction to Statistics 2

Spring 2009

Meeting Times	MWF 3rd period (9:35–10:25 a.m.)	Turlington L007
Course Website	http://www.stat.ufl.edu/~dksparks/sta3024	
Instructor	Doug Sparks Griffin-Floyd 101A dksparks@stat.ufl.edu	Office Hours M5 W5 R7 or by appointment
TA	Rebecca Steorts Griffin-Floyd 209 rsteorts@stat.ufl.edu	Office Hours T4 or by appointment

Course Description and Objectives

This course counts toward the general education requirement in mathematics. You will learn how to summarize data and how to use data to make appropriate decisions. The prerequisite for this course is STA 2023, and we will review concepts as needed. Together, STA 2023 and STA 3024 provide a strong foundation in the basics of applied statistical methods. Introduction to Statistics 2 will focus on the following four topics:

- **Contingency tables** and the chi-squared test
- **Regression**, with an emphasis on inference
- **Analysis of variance** in both one-way and two-way layouts
- **Nonparametric methods** with no distributional assumptions

Textbook

You will need all 15 chapters of *Statistics: The Art and Science of Learning from Data*, by Alan Agresti and Chris Franklin, Prentice Hall, 2008. If you bought Volume 1 for STA 2023, you can buy Volume 2 to complete it.

Calculators

For exams, quizzes, and homework problems, it will be helpful to have a calculator that performs some basic statistical functions, such as finding the standard deviation. Any scientific or graphing calculator will work. (If it was fine for STA 2023, it will be fine for this course.) Please be aware that saving notes into your calculator and accessing them during an exam is considered cheating and will be dealt with accordingly.

Exams

Three exams will be given during the normal class time on the following three dates:

- Wednesday, February 11
- Wednesday, March 18
- Wednesday, April 22

Note that we will *not* do anything with our university-appointed exam period during exam week. All exams will be closed-book, multiple-choice, and non-cumulative.

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

Homework

There will be four or five short homeworks posted to the course website. (They will not come from the textbook.) The due date for each homework will be announced when it is posted.

I will also post a list of suggested problems from the textbook. These problems will not be collected, but they are a good way to help yourself learn the material.

Attendance

Attendance is not required, but it is strongly recommended.

Grading

Your semester grade will be calculated as follows:

Exam 1	100 points	(20%)	A	448–500 points	(90%–100%)
Exam 2	100 points	(20%)	B+	423–447 points	(85%–89%)
Exam 3	100 points	(20%)	B	398–422 points	(80%–84%)
Homework	200 points	(40%)	C+	373–397 points	(75%–79%)
Total	500 points		C	323–372 points	(65%–74%)
			D	298–322 points	(60%–64%)
			E	0–297 points	(0%–59%)

The grading scale will be flexible, in the sense that I may adjust these numbers downward (to help everyone's grades), but I will not adjust them upward. In compliance with UF Statistics Department policy, I will not give a grade of D+.

Incomplete Grades

An incomplete grade will only be given under extraordinarily extenuating circumstances that prevent the student from completing the course requirements. Having a failing grade in the course is not an extraordinarily extenuating circumstance.

Students with Disabilities

Any student requesting accommodation for disabilities must first register with the Dean of Students Office, who will provide documentation to the student, who must then provide this documentation to me privately as soon as possible.

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.