

STA 3024

Introduction to Statistics II

Section 5126

Summer B 2013

Meeting Time	MTWRF 4 th period	12:30 – 1:45 pm
Location	Pugh Hall 170	
Instructor	Melanie Battles Griffin-Floyd 101C m.battles@ufl.edu	Office Hours MTWRF 2:00 – 3:00 pm
Teaching Assistants	Yeun Ji Jung Griffin-Floyd 101C	M 11:00am-12:00pm T 11:00am-12:00pm
	Yang Wu Griffin-Floyd 117D	W 10:00 – 11:00am R 10:00 – 11:00am
	Madhurima Majumder Griffin-Floyd 101A	W 11:00am – 12:00pm R 11:00am – 12:00pm
	Liyuan Zhang McCarty C 401	F 10:00am – 12:00pm

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 summarize, analyze, and make decisions with data in the real world. The following topics will be covered:

- Contingency tables and the chi-squared test
- Analysis of Variance (one-way and two-way layouts)
- Regression (simple linear regression and multiple regression)
- Nonparametric methods

Since this course builds directly on material from STA 2023, concepts from that course will be briefly reviewed as needed.

Textbook and Software

We will use *Statistics: The Art and Science of Learning from Data* by Alan Agresti and Chris Franklin, 3rd edition. This course will focus on the last five chapters, but references will be made to topics introduced earlier in the book (Chapters 1-10 were covered in STA 2023). The content of the first two editions is similar, but the chapters, examples, and homework problems might be numbered differently.

Course Website:

Important information about the course will be posted in e-Learning (<https://lss.at.ufl.edu/>). Students should log in using their Gatorlink user name and password to access course documents, announcements, lecture notes, assignments, grades, etc.

Lecture Notes

Lecture notes will be posted in e-Learning before they are covered in class. Some students may find it beneficial to print the notes and bring them to class, but this is optional. The notes posted online will be incomplete, so students who miss class should get the notes from a friend (or a stranger) before asking me. The course will be fast-paced, however the same amount of material will be covered as is in a regular semester-long course. We are meeting every day – therefore attendance is highly encouraged as it might be easy to get behind in the material. Be aware that you are responsible for all material covered in class, whether it is in the posted lecture notes or not. Students will not be responsible for anything not directly covered in class, like the sections of the textbook we'll skip.

Exams

Three closed-book, multiple choice exams will be given in this course during the normal class time. Students should bring a picture ID, their student ID number, a calculator, and pencils to each exam. The exam dates and topics are scheduled as follows:

- Exam 1 (STA 2023 material and Ch. 11) Friday, July 12
- Exam 2 (Chapters 12-13) Friday, July 26
- Exam 3 (Chapter 14-15) Friday, August 9

Students who are unable to take the exam at the scheduled time because of conflict or illness should contact the instructor prior to the exam time to arrange for a makeup exam. Valid and detailed documentation is required in these circumstances, and each case will be reviewed individually. Makeup exams may not be multiple choice.

Homework

Problems from the textbook will be assigned periodically in class and will be collected the day of the exam. The idea is that the homework problems be completed as they are assigned, versus trying to do them the night before the exam instead of studying.

Late assignments will not be accepted. I understand that the problems might be a good study tool, so I'll collect them the day of the exam. Students may work together on homework, but copying another student's work is considered cheating and will be dealt with according to university policy.

Grading

The final semester grades will be calculated as follows:

Exams – 90% (30% each) Homework – 10%

Scale

A 90% to 100%	B+ 84% to 86%	C+ 74% to 76%	E 59% and below
A- 87% to 89%	B 80% to 83%	C 67% to 73%	
	B- 77% to 79%	D 60% to 66%	

The grading scale above may be adjusted, but only in the students' favor. Individual grades will be changed only when a mistake has been made. Negotiation is not appropriate.

For information on current UF grading policies for assigning grade points, go to <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Course Policies

Attendance: Although not required, attendance is highly recommended.

Calculators: For exams and homework assignments, students will need a scientific calculator with basic two-variable statistical functions. If it worked for STA 2023, it will work for this course. Phones may not be used as calculators during exams.

Incomplete Grades: An incomplete grade will only be given in the event of extraordinary circumstances that prevent the student from completing the course requirements.

Students with Disabilities: Students requesting classroom accommodations must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. Please see the instructor during office hours early in the semester to discuss your accommodation letter confidentially.

Privacy Policy: Student records are confidential. Only information designated as UF directory information may be released without your written consent.

Academic Honesty: All students are required to abide by UF's academic honesty guidelines.

Extra Help: Students who need extra help are encouraged to visit the instructor or a TA during office hours. In addition, the Teaching Center (located in Broward Hall) provides free tutoring for UF students. More information, including the tutoring times for this course, can be found at <http://teachingcenter.ufl.edu>. Both walk-in tutoring and private appointments are available. Statistical questions may be asked in class, in office hours (instructor or TA), or in the tutoring center, but should not be asked through email.

Syllabus: Changes may be made to this document; substantive changes will be announced in class. This document was last updated on June 19, 2013.