

STA 3024

Introduction to Statistics II

Section 7454

Spring 2013

Meeting Time	MWF 3 rd period (9:35-10:25 am)	
Location	Pugh Hall 170	
Instructor	Catherine Case Griffin-Floyd 209 ccase@stat.ufl.edu	Office Hours TBA
Teaching Assistants	TBA	

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 and analyze data. The following topics will be covered:

- Regression (simple linear regression and multiple regression)
- Analysis of Variance (one-way layout and two-way layout)
- Contingency tables and the chi-squared test
- 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. Although the textbook will not be used for any graded assignments, the lectures will follow the text closely, and recommended readings and practice problems will be assigned from the textbook throughout the semester.

Some homework assignments will require the use of statistical software. There are several computer labs on campus which have acceptable software installed. The locations and hours of the labs can be found at <https://labs.at.ufl.edu/> . Specific requirements and assignments will be discussed in class.

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 classmate. Be aware that you are responsible for all material covered in class, whether it is in the posted lecture notes or not.

Exams

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

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| • Exam 1 (STA 2023 material and Ch. 12) | Friday, February 8 |
| • Exam 2 (Chapters 13-14) | Friday, March 22 |
| • Exam 3 (Ch. 11 and Ch. 15) | Friday, April 19 |
| • Final Exam (Cumulative) | Friday, May 3 7:30-9:30 am |

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

There will be five homework assignments in this course. The due dates and specific instructions will be announced later in the semester. Late assignments will not be accepted.

Students may work together on homework, but copying another student's work is considered cheating and will be dealt with according to university policy. A list of suggested homework problems from the textbook will also be assigned but will not be collected.

Grading

The final semester grades will be calculated as follows:

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| • Midterm exams | 50% | (each exam is worth about 17%) |
| • Final exam | 25% | |
| • Homework | 25% | (each assignment is worth 5%) |

Scale

	B+ 84% to 86%	C+ 74% to 76%	D 60% to 66%
A 90% to 100%	B 80% to 83%	C 70% to 73%	(No D+ or D- given)
A- 87% to 89%	B- 77% to 79%	C- 67% to 69%	E 59% and below

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. 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 January 1, 2013.