Instructor: Soheil Sadeghi

Office: Griffin Floyd Hall (FLO) 117D

Office Hours: TBA

Email: sadeghi@stat.ufl.edu

Teaching Assistants Office Hours: TBA

Course Information

Lectures: MWF 3:00 - 3:50 p.m., Norman Hall (NRN) 0137

Textbook: Statistics: The Art and Science of Learning from Data, by Alan Agresti and Chris Franklin, **3rd ed.**, Prentice Hall.

Scientific Calculator that has some basic statistical functions: mean and standard deviation. Many inexpensive calculators (around $10 to $15) have these functions; check the manual or look for the following symbols: x-bar and either s or sn-1. All of the more expensive graphing calculator have them as well, but it is not necessary to buy one of them for this class.

Course website: E-learning at `https://lss.at.ufl.edu`
This is the portal for UF E-learning website. Students must log on using valid gatorlink username and password, and access the course webpages from there. Important information about the course, including the syllabus, announcements, course materials and grades throughout the semester will be posted there. It is the students' responsibilities to check the announcements and emails sent through E-learning.

Prerequisites: The prerequisite for this course is STA 2023, which covered chapters **1 to 10** in the textbook (data collection, graphical and numerical summaries, probability and an introduction to statistical inference). Students are required to have complete understanding on the materials covered in STA 2023, however, important concepts from STA 2023 will be reviewed if necessary.

Course Description and Objectives: The sequence of courses STA 2023-3024 provides students with a firm foundation in the basics of applied statistical methods. In STA 3024, students learn how to summarize data, analyze it, and make appropriate decisions based on it. This course satisfies general education credits in the mathematical sciences and is in the general category of M.

    This course focuses on the following four topics:

The instructor reserves the right to update any parts of this syllabus as necessary. Students will be notified of any changes.

1. Analysis of two-way tables to study the relationship between two categorical variables (Chapter 11).

2. Inference for regression, covering simple linear regression and multiple regression (Chapters 12 and 13).

3. Analysis of variance to compare three or more population means (Chapter 10 and 14).

4. Nonparametric statistics that do not require a normal distribution of the response variable (Chapter 15).

Grade Policy

Exams: There will be **three** exams given during the semester and each exam will give you 30% of your grade. In any exam, students MUST bring a picture ID, a scientific calculator, and pencils. In case of conflict, if a student is unable to take an exam at the scheduled time, he/she MUST inform the instructor at least **10 days** prior to the exam time, for any arrangements to be made for a makeup. Each student will be reviewed individually. Valid and detailed documentation is a prerequisite under such extenuating circumstances. In case of illness, the instructor MUST be notified on the previous day of the exam by 5 p.m. and MUST receive a medical excuse.
If a student asks for re-grading any of the questions in an exam, the instructor reserves the right to re-grade the whole exam rather than those particular questions pointed out by the student.
The instructor have zero tolerance towards any type of dishonesty on an exam and a grade of zero is the minimum punishment.

- **Exam 1** - TBA

- **Exam 2** - TBA

- **Exam 3** - TBA

Homework: Suggested homework problems will appear on the course website. They will help the students to master the materials and be served as a good preparation for the exams. Suggested homework will NOT be collected and graded.

Assignments: TBA
These assignments will give you 10% of your grade.

Grading Scale: The grading scale in the course is given in the following table. The grading scale is fixed and will NOT be changed under any circumstances. There will be NO rounding-up and the listed percent of points is the lowest to guarantee a particular grade. However, if the overall class performance in an exam warrants a curve I will give one, but A CURVE WILL NOT BE GUARANTEED. No grades of D+ or D- will be given.

LETTER GRADE	POINTS	PERCENT OF POINTS
A	4.00	90.00-100.00%
A-	3.67	87.00-89.99%
B+	3.33	84.00-86.99%
B	3.00	80.00-83.99%
B-	2.67	77.00-79.99%
C+	2.33	74.00-76.99%
C	2.00	70.00-73.99%
C-	1.67	64.00-69.99%
D	1.00	60.00-63.99%
E	0.00	59.99 or below

Other relevant information

Emails: Emails would be answered within two working days or sooner. However, please refer to the class syllabus and the class website to try and find the answers for yourself. Questions regarding the material covered in class, and homework problems should be asked in person. Statistical questions often require formulas or pictures, which can make it very hard to communicate by emails.

Attendance: Attendance is not mandatory, however, this course is NOT available online. If you miss classes for any reason, it is your responsibility to get any notes and information you might have missed from another student. Additionally, you should turn your cellular phones off and refrain from eating, drinking, reading newspapers, doing homework for other classes, and excessive talking. Laptops should NOT be brought to class.

Instructor's Honor Code: We the members of the University of Florida community pledge to hold ourselves and our peers to the highest standards of honesty and integrity. We adhere to the University of Florida rules and guidelines for handling instances of academic dishonesty. Please refer to the Office for Students Services for detailed information about the current policies.

Grading: Grading will be changed only when an error has been made; negotiation is not appropriate. There is no appeal process.

Incomplete: 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.

Accommodations for students with disabilities: Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the students who must then provide this documentation to the Instructor when requesting accommodation.

Privacy Policies: Student records are confidential. Only information designated UF directory information may be released without your written consent. UF views each student as the primary contact for all communication. If your parents contact me about your grade, attendance or other information that is not UF directory information, I will ask them to contact you.