

## STA 2023: Introduction to Statistics I

Robert Parker  
105 Griffin Floyd Hall  
**Office Hours: MW 8<sup>th</sup> Period F 4<sup>th</sup> Period**  
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Class Meets in FLO 230  
MW 4<sup>th</sup> Period (10:40-11:30)  
TR 2 Period (8:30-9:20)  
Lab: Weil 408D

**Review/ Homework Sessions:** Every Wednesday (7 to 9pm) in Griffin Floyd 230

**Course Objective:** Graphical and numerical descriptive measures, probability, conditional probability, probability laws, discrete random variables, binomial and normal random variables, sampling distributions, central limit theorem, large and small sample confidence intervals for parameters associated with a single population and for comparison of two populations. Hypothesis testing for large and small samples.

THIS COURSE SATISFIES GENERAL EDUCATION CREDITS IN THE MATHEMATICAL SCIENCES. STUDENTS LEARN HOW TO SUMMARIZE DATA AND HOW TO MAKE APPROPRIATE DECISIONS BASED ON DATA. (This course is the general education category of M.)

Weeks	Topics Covered
1-2	Exploring Data with Graphs; Measures of Center, Spread and Position;
2-4	Exploring Relationships Between Two Variables Simple Linear Regression;
4-5	Experimental and Survey Design
6	Probability Rules
7-8	Binomial and Normal Distributions
9-10	Sampling Distributions of the Sample Mean and Sample Proportion
10-11	Confidence Interval for the Population Proportion and Population Mean;
12-13	Significance Test for the Population Proportion; Significance Test for the Population Mean
13-15	Comparing Two Ind. Means and Two Ind. Means; Comparing Means from Dependent Samples

### Required Supplies:

- Textbook: *Statistics: The Art and Science of Learning From Data* by Agresti/Franklin 3<sup>rd</sup> edition (used, new or online)
- **TI83/84 graphing calculator (strongly recommended)**
- Three ring binder for course notes

**My expectations of you:**

- Arrive on time and review your notes after each class
- Ask questions if you do not understand something
- Make it your goal to understand everything that we do
- Inform the instructor of a problem in a timely manner

**Grading Structure:**

Assessments	% of Grade
3 Exams	66% (22% per exam)
Labs	10%
Homework	12%
Paper Quizzes	12%

**Grading Scale:**

LETTER GRADE	POINTS	PERCENT OF POINTS
A	4.00	90.0-100%
A-	3.67	88.5 – 89.99%
B+	3.33	84.5 – 88.49%
B	3.00	80.0 – 84.49%
B-	2.67	78.5 – 79.9%
C+	2.33	74.5 – 78.49%
C	2.00	64.5 – 74.49%
D	1.00	60.0 – 64.5%
E	0.00	59.99 or below

**Exams:** There will be total of 3 exams. You will need to bring your calculator and a pencil. If a student is unable to take an exam at the scheduled time, they must get in touch with me one week prior to the exam for any arrangements to be made for a makeup. Each case 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 day of the exam by 5pm and must receive a medical excuse.

**Labs:** The labs will be conducted on Thursday of each week. There will be about 14 labs or as many as time permits. Two of the lowest lab grades will be dropped. The room is **TBD**.

**Quizzes:** There will be 10 in class paper quizzes usually based on the homework assignment due the previous Thursday. The lowest 2 quiz grade will be dropped. Quizzes should be made up as soon as possible. They cannot be made up after the Exam for that material has been covered.

**Homework:** Homework will be assigned on Wednesday and due the following Wednesday on most occasions. There will be 11 assignments. The highest 10 will be counted. Homework assignments will be accepted up to one week late for partial credit. Homework will not be

accepted after 5pm one week after the due date. Copying another student's homework is considered cheating and the minimal punishment will be to receive a grade of 0 on the assignment.

### **Course Policies**

**Academic Dishonesty:** I adhere to the University of Florida rules and guidelines for handling instances of academic dishonesty. Please refer to the Office of Students Services for detailed information about the current policies. **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.

**Attendance:** Exams will be based on the assigned homework problems and the examples that are done in the class. If you miss class for any reason it is your responsibility to get any notes and information you might have missed. 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.

### **Getting Help:**

- **Drop in for help during my office hours**
- **Before or after class**
- **One-on-one by appointment with teaching assistant by appointment**
- **One-on-one with instructor by appointment**

**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.

### **Instructor Course/Evaluations**

Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu/> . Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results> .

