

STA 2023: Introduction to Statistics I

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Office Hours: MW 1:30 – 3:30pm or by appointment
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Section 5788 – 3rd MWF lecture (R 2nd period lab)
Section 2086 – 3rd MWF lecture (R 3rd period lab)
Section 5787 -- 5th MWF lecture (R 5th period lab)
Section 5788 -- 5th MWF lecture (R 6th period lab)

Review/ Homework Sessions: Every Wednesday and Thursday (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.)

Required Supplies:

- Textbook: *Statistics: The Art and Science of Learning From Data* by Agresti/Franklin 2nd 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 |
|-----------------|--------------------|
| 4 Exams | 68% (17% per exam) |
| Labs | 6% |
| Homework | 8% |
| Paper Quizzes | 8% |
| Notebook Checks | 4% |
| Remote Points | 6% |

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 4 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.

| Date of Exam | |
|--------------|--|
| Exam 1 | Thursday, Feb. 3 rd 6:15 to 10:15 pm |
| Exam 2 | Wednesday, March 2 nd 6:15 to 10:15 pm |
| Exam 3 | Wednesday, April 6 th 6:15 to 10:15 pm |
| Exam 4 | Wednesday, April 20 th 6:15 to 10:15 pm |

Labs: The labs will be conducted on Thursday of each week. There will be about 13 labs. Two of the lowest lab grades will be dropped.

Section 5788 – R 2nd period lab in CSE E211A

Section 2086 – R 3rd period lab in CSE E211A

Section 5787 -- R 5th period lab in Weil 408A

Section 5788-- R 6th period lab in Weil 408A

Quizzes: There will be 12 in class paper quizzes usually based on the homework assignment due the previous Friday. The lowest 2 quiz grade will be dropped. The tentative quiz dates are 1/12, 1/26, 2/2, 2/16, 2/23, 2/28, 3/23, 3/30, 4/04, 4/13, and 4/18. 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 Friday and due the following Friday 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.

Remote Points: Everyday we will use the H~ITT remotes. Two points will be awarded for a correct answer and one point will be awarded for a wrong answer. These points will be prorated.

Notebook Checks: There will be 4 notebook checks throughout the semester. It is critical that these items be kept up to-date in order to create the best learning environment for you. These checks will occur slightly before each exam.

- The notebook should have four parts: Course Information, Notes, Homework and In Class Assessments.
 - **Course Information:** This section should contain the syllabus and the course calendar.
 - **Notes:** Notes will be distributed during class for you to fill in. If you are not here, you need to print the completed notes from the Calendar page on the homepage of E-Learning.
 - **Homework:** Homework assignments should be completed and kept in order in this section of the notebook. These assignments are explicitly given to prepare you for graded quizzes and exams.
 - **In Class Assessments:** All graded assignments (labs, quizzes, tests) should be included in this section in order.

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 from the uploaded notes on the calendar page in E-Learning. 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 assistants 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.

| Monday | Tuesday –No class | Wednesday | Thursday | Friday |
|-----------------------|---------------------|---|----------------------------|----------------------------------|
| 1/3 No Classes | 1/4 | 1/5 Notes | 1/6 Lab 1 | 1/7 Notes |
| 1/10 Notes | 1/11 | 1/12 Notes Quiz 1 | 1/13 Lab 2 | 1/14 Notes HW 1 due |
| 1/17 No Classes | 1/18 | 1/19 Notes | 1/20 Lab 3 | 1/21 Notes HW 2 due Quiz 2 |
| 1/24 Notes | 1/25 | 1/26 Notes Quiz 3 | 1/27 Lab 4 NB Check #1 | 1/28 Notes HW 3 due |
| 1/31 Notes | 2/1 | 2/2 Notes Review in Class Quiz 4 | 2/3 Lab 5 Exam 1 | 2/4 Notes |
| 2/7 Notes | 2/8 | 2/9 Notes | 2/10 Lab 6 | 2/11 Notes HW 4 due |
| 2/14 Notes | 2/15 | 2/16 Notes Quiz 5 | 2/17 Lab 7 | 2/18 Notes HW 5 due |
| 2/21 Notes | 2/22 | 2/23 Notes Quiz 6 | 2/24 Lab 8 NB Check #2 | 2/25 Notes HW 6 due |
| 2/28 Notes Quiz 7 | 3/1 | 3/2 Notes Review in Class Exam 2 | 3/3 Lab 9 | 3/4 No Class |
| 3/7 Spring Break | 3/8 Spring Break | 3/9 Spring Break | 3/10 Spring Break | 3/11 Spring Break |
| 3/14 Notes | 3/15 | 3/16 Notes | 3/17 Lab 10 | 3/18 Notes HW 7 due |
| 3/21 Notes | 3/22 | 3/23 Notes Quiz 8 | 3/24 Lab 11 | 3/25 Notes HW 8 due |
| 3/28 Notes | 3/29 | 3/30 Notes Quiz 9 | 3/31 Lab 12 NB Check #3 | 4/01 Notes HW 9 due |
| 4/04 Notes Quiz 10 | 4/05 | 4/06 Notes Review in Class Exam 3 | 4/07 Lab 13 | 4/08 Notes HW 10 due |
| 4/11 Notes | 4/12 | 4/13 Notes Quiz 11 | 4/14 Lab 14 NB Check #4 | 4/15 Notes HW 11 due |
| 4/18 Notes Quiz 12 | 4/19 | 4/20 Notes Review in Class Exam 4 | | |