STA 2023: Introduction to Statistics

Instructor: Megan Meece  
117B Griffin Floyd Hall  
392-1941 Ext. 211

Office Hours: 1-2 pm MTWR

Class Time: MTWRF  
2nd period (9:30-10:45am)

Email: mmeece@stat.ufl.edu
Website: http://www.stat.ufl.edu/~mmeece
Tutoring lab: Griffin Floyd Hall Room 104
Tutoring Room Hours: MTWR: 11:30-1:30pm

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.

Required Supplies:
- Course Packet: Each student needs to pick up a course packet from University Copy Center (1620 W. University Ave). It contains the lecture notes, assigned homework problems, Minitab instructions and packet of tables with formulas and tables that you will be provide for each exam.
- Calculator: During the test, you can only have a scientific calculator. It must have the ability to find the mean and the standard deviation. (~$11) Look for the following symbols: \( s_{n-1} \) and \( \bar{x} \).

Recommended:
- Minitab computer program: It is included with the purchase of a new textbook and also available for purchase separately. (Note: In order to sell Minitab to the students, the publisher needs to bundle it with some book. To allow students to buy a used textbook and get Minitab separately. Minitab can be purchased bundled up with the cheapest booklet the publisher had. The booklet has nothing to do with Minitab or our class and can be discarded.)

My expectations of you:
- Arrive on time
- 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 Scale: The exam grading scale will be the following. A: 90-100% of total points, B+: 88-89%, B: 80-88%, C+: 78-79, C: 70-78%, D: 60-69%, and E: 59 and lower. The grading scale is not fixed. If the overall class performance warrants a curve I will give one, but A CURVE WILL NOT BE GUARANTEED. It is the policy of the department of statistics not to give grades of D+.
**Assessment:** Since the term is only six weeks long, THERE WILL BE A QUIZ OR EXAM EVERY WEEK. There will be a total of 2 exams and 4 quizzes.

**Quizzes:** The quizzes will be online through WebCT. The dates listed below for the quizzes are the tentative dates that they will be posted on WebCT. On the website (and in class), it will be announced when each quiz will be available, and for how long. You will be allowed three attempts for each quiz - each randomly generated so that the questions will not be identical. Each quiz is worth 25 points. Altogether, the quizzes will count 100 points, as much as one exam. Hopefully, they will serve the purpose of improving your grade, as well as be an important tool in learning the material for the course.

<table>
<thead>
<tr>
<th>Quiz</th>
<th>Chapters Covered</th>
<th>Start Date</th>
<th>Start Time</th>
<th>End Date</th>
<th>End Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Monday, July 7</td>
<td>11am</td>
<td>Thurs., July 10</td>
<td>3 pm</td>
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<td>2</td>
<td>2</td>
<td>Friday, July 11</td>
<td>11 am</td>
<td>Tues., July 15</td>
<td>3 pm</td>
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<tr>
<td>3</td>
<td>4-6</td>
<td>Friday, July 25</td>
<td>11 am</td>
<td>Tues., July 29</td>
<td>3 pm</td>
</tr>
<tr>
<td>4</td>
<td>7</td>
<td>Friday, Aug. 1</td>
<td>11 am</td>
<td>Tues., Aug. 5</td>
<td>3 pm</td>
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**Exams:** The exams will be multiple choice and will tentatively be given in class on the dates listed below and will be worth 100 points each. It is your responsibility to bring calculator, pencil and a photo ID as well as any other needed materials to the exams. In case of conflict or illness, if a student is unable to take an exam at the scheduled time, they must get in touch with the lecturer, Megan Meece, a 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. A grade of zero is the minimum punishment of any type of dishonesty on an exam.

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<thead>
<tr>
<th>Chapters Covered</th>
<th>Dates</th>
<th>Possible Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1 Chapters 1-3</td>
<td>Thurs., July 17</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2 Chapters 4-8</td>
<td>Thurs., Aug. 7</td>
<td>100</td>
</tr>
<tr>
<td>Quizzes</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Class Participation</td>
<td>10</td>
<td></td>
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<tr>
<td>Total</td>
<td>310</td>
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**Homework:** A list of suggested homework problems are included in the course handbook. Homework will not be collected. It is my belief that doing the homework problems and asking any questions you may have about them is essential for performing well in this course. You cannot learn statistics if you do not practice statistics. If you do not understand a homework problem or have any questions about the material, please visit the tutoring lab. Answers to the odd-numbered problems are available in the back of the text. An Instructor’s Guide with Solutions to all homework problems is available on Reserve at the Marston Science Library and in the Tutoring Room.
Getting Help:
Students should be able to get their statistical questions answered in the following ways:

- in class, from your instructor
- in the tutoring lab in Griffin Floyd Room 104
- during office hours from the instructor
- for many classes, not just statistics, at the tutoring lab in the Basement of Broward Hall – a schedule of their hours can be obtained by calling 392-2010 or by accessing www.teachingcenter.ufl.edu
- as a last resort, by getting (and paying) a private tutor. A list of private tutors from the Statistics Department can be obtained from the secretary in Griffin-Floyd 103.

Course Policies

Email: Email would be answered within one working day or sooner. I do not answer email in the middle of the night nor on the weekends. 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 email.

Attendance: Attendance will not be taken in class. However, this does not mean that attendance is not important. 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 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.

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.

Academic Dishonesty: We adhere to the University of Florida 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.