

Course Syllabus
UNIV 1108
Introduction to Data Analysis

Instructor: Laura Evans
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Office Hours:

- Tuesday and Thursday: 1:00pm – 2:00pm
- If you would like to meet with me outside of the scheduled office hours, please contact me and I will set up an appointment with you

Tutorials:

- Math Lab Hours: Milledge Hall Learning Center
 - Monday – Thursday (9:00am – 5:00pm) and Friday (9:00am – 3:00pm)
- Online Tutoring
http://www.uga.edu/dae/services/tutoring/online_tutoring.html
 - Monday, Tuesday, and Thursday: 10:00 pm – 12:00 am

Text:

There is no required textbook for this course. There will be notes posted to WebCT that you will be required to print and bring to each class. Homework will also be posted to WebCT.

Supplementary Materials:

- Graphing Calculator – A graphing calculator is required for this course. The instructor will be using a TI-84 Plus for demonstration purposes. However, other calculators are allowed.
- Lecture Note Outlines – The instructor will provide lecture note outlines on WebCT before each class period. It is the students' responsibility to print these notes before each class period to aid in note taking. These will be posted by 6:00pm the day before each class meeting.

Purpose of this Course:

Prepare students for MATH 1101 (Math Modeling)

Course Description:

During this course, students will study the concepts of analyzing and describing real-world data using statistics, mathematical models, and other quantitative tools. An emphasis is placed on conducting the analysis and interpreting the results. Our study this semester will include calculator techniques that may be used in order to study data and solve problems.

Topical Outline:

The following outline is given with the understanding that the topics may change depending on the pacing of the course.

1. **Analyzing One Variable Data** – Understanding and interpreting statistical data
2. **Functions** – Definition, Understanding Functions given by formulas, words, tables, and graphs
3. **Piecewise Functions** – Drawing a graph and set of functions that represent data given
4. **Quadratic Functions** – Definition, graphs, and word problems
5. **Linear Models** – Tables and trends, graphs, solving equations, linear regression, rates of change, and systems of equation
6. **Exponential Models** – Exponential growth and decay and exponential regression

Grading Policy:

Percentage Earned	Letter Grade Received
90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F

Grade Components:

Your grade will consist of:

- **Homework** – Homework will not be collected or graded. However, homework is an important component to being successful in this course. It is imperative to your learning that you keep up with assignments and ask

questions when you need clarification. In order to cover all of the information that we need to each day, it is required that you post the questions that you have to the discussion board on WebCT by 11:00 pm the night before we meet for each class. I will then answer your questions at the beginning of each class period. Because we have much material to cover in a short amount of time, there may be times when I ask that you meet with me during my office hours so that we may discuss your questions.

- **Tests** – there will be 5 tests given this semester after each topic is covered. These tests will count 100 points each. No make-up tests will be given. The final exam may be used to substitute ONE missed in class test in the event of an excused emergency absence. An excused emergency absence will only be granted when you have notified me of the illness/emergency prior to the class meeting on the test day. The dates of the tests will be posted on the WebCT class calendar.
- **Quizzes** – there will be unannounced quizzes throughout the semester. These quizzes will count 5 points each.
- **Exam** – there will be a cumulative end of semester exam which will count for 200 points of your grade.

****In order to calculate your grade throughout the course:*

$$\text{Your Grade} = (\text{Number of Points Earned}) / (\text{Number of Possible Points}) \times 100$$

Attendance Policy:

You are expected and required to attend every class meeting. However, illnesses and accidents happen. Thus, you have six (6) absences from the class. More than six and you may be withdrawn from the course with a grade of WF. The exception is illness; you should contact your instructors and have medical excuses from the Health Center. You may have any number of such excused absences.

Tardiness is disruptive to the class. While the occasional tardiness is excusable, due to the difficulties in finding parking or crowded buses, regular tardiness will be penalized by being counted as an unexcused absence. A warning will be issued before penalties are enacted.

University of Georgia Honesty Policy:

All academic work must meet the standards contained in "A Culture of Honesty." Students are responsible for informing themselves about those standards before performing any academic work.

The Honesty Policy is described in detail online in the publication *A Culture of Honesty* at http://www.uga.edu/honesty/ahpd/culture_honesty.htm.

University Conduct Regulations:

- The Student Code of Conduct can be found online at www.uga.edu/judicialprograms
- In summary, if
 - I perceive that you are being disrespectful to others in the classroom or
 - if I perceive that you are causing a disruption in the classroomI will ask you to leave the learning environment.

WebCT:

- **What is WebCT?**
 - ✓ WebCT is an online course management and instructional service used in many courses at the University of Georgia.
- **How do I sign on to WebCT?**
 - ✓ You will need a UGA MyID to access WebCT. If you have a UGA email account (and you should), then you already have a MyID: the name and password to your UGA email account.
 - ✓ If you do not have a MyID yet, you should get one as soon as possible. You may obtain a UGA MyID from <https://myid.uga.edu/>.
 - ✓ You may access the WebCT site for this course from your MyWebCT page at webct.uga.edu.
- **How will we use WebCT in this course?**
 - ✓ Daily lecture outlines will be posted so that students may print them before class
 - ✓ Post homework assignments and solutions
 - ✓ Course Calendar
 - ✓ Class Discussions
 - ✓ View students progress and grades

- ✓ Refer back to course Syllabus
- ✓ Instructor Announcements
- **What if I need assistance using WebCT?**
 - ✓ For further information on how to use WebCT, go to <http://webct.uga.edu/www/student/guide/>.
 - ✓ You may also use the Student Help option on the WebCT logon page <https://webct.uga.edu>

Withdrawal Policy:

You may withdraw from the course with a "WP" without penalty until the deadline. After that day, any withdrawals must be assigned a grade of "WF." The last day to withdraw without penalty is October 22nd.

**This course syllabus is a general plan for the course; deviations announced by the instructor to the class may be necessary.