Math 1401 Elementary Statistics (Spring 2020) Syllabus

<table>
<thead>
<tr>
<th>Instructor: Sonal Patel</th>
<th>E-mail: <a href="mailto:spatel@westga.edu">spatel@westga.edu</a></th>
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</thead>
<tbody>
<tr>
<td>Office: Boyd #106A</td>
<td>Phone: (678) 839 - 4123 (Office)</td>
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<tr>
<td>Class Location: Boyd # 301</td>
<td>Class Meeting: MW 3:30 pm - 4:45 pm</td>
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</tbody>
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Office Hours: MW 12:15 pm – 2:00 pm, 3:15 pm – 3:30 pm and 4:45 pm – 5:30 pm or by appointment

Course web: (Course DEN) [https://westga.view.usg.edu/](https://westga.view.usg.edu/)

**Prerequisites:** MATH 1101 or MATH 1111

**Courses Description:** A noncalculus-based introduction to methods of descriptive statistics, probability, discrete and continuous distributions, and other fundamental concepts of statistics.


It is not a mandatory to purchase a hard copy textbook. You can have a free e-book access. Click on below link to download or view the e-book.

[https://openstax.org/details/books/introductory-statistics](https://openstax.org/details/books/introductory-statistics)

**Calculator:** TI - 83 or better. No cell phone allowed as a calculator during tests and final exam. (Click on link to learn TI-83 for statistical calculation)

[https://www.youtube.com/watch?v=xsXmSy59cpU&list=PLiuxxNbKiuJ7lo4fFPqhJdp0-aL6Yhkn](https://www.youtube.com/watch?v=xsXmSy59cpU&list=PLiuxxNbKiuJ7lo4fFPqhJdp0-aL6Yhkn)

**Topics:** Methods for describing sets of data, including descriptive statistics and histograms. Simple linear regression. Probability of discrete and continuous random variables, including the binomial and normal random variables. Sampling distributions, including the Central Limit Theorem, Hypothesis testing and Confidence intervals.

**Learning Outcomes:** Upon successful completion of this course, the students will know how to properly collect data, how to describe and analyze that data, and make inferences about the population under study based on the sample data collected. The students will also be aware of and able to interpret the statistics with which we are bombarded on a daily basis in the print media, on radio, and on television, to help make informed decisions about their lives.

**Components for Evaluation:**

**Tests (Four tests)**
Tests are worth 50% of your grade. Each exam will be announced at least one (1) week prior to the exam date. Check CourseDen for an announcement of test schedule. **One lowest test score will be dropped.**

- Test-1 will cover Chapter - 2 and 3
- Test-2 will cover Chapter - 4 and 5
- Test-3 will cover Chapter - 6
- Test-4 will cover Chapter - 7 and 8
The Cumulative Final Exam
The cumulative final exam is worth 25% of your final grade. Click on below link to see final exam schedule.

Date: 4th May, Monday
Time: 5:00 pm – 7:00 pm
Location: TBA

Online Quizzes
Quiz is worth 25% of your final grade. Quizzes will be available in CourseDen. You have online quiz for each section. All quizzes will be due by within two weeks from the date section completed in the class. There is no extension on date. Three lowest quizzes scores will be dropped. There are only 2 attempts. Each attempt has approximate 60 min – 75 min time.

Extra-credit policy:
There is no extra credit for this course.

Grade Calculation:
Final Grade will be computed as follow: Final Grade = Q*0.25+T*0.50+F*0.25, Where Q = Quiz average, T = Tests average and F is final exam score

Grading Scale: A: 90 % - 100 %   B: 80 % - 89 %   C: 70 % - 79 %   D: 60 % – 69 %   F: < 60

Important Dates:
First Day of Class: Jan 4
Drop Ends: Jan 10
MLK Holiday: Jan 20
Spring Break: March 16 – March 20
Last Day of Class: April 27

Course Policy:
- **Attendance:** There is no attendance policy in this class. But you must come to class to success. Please do not arrive late or leave early.
- **Make-ups:** You will not be allowed to make-up missed tests and quizzes except under extraordinary circumstances. In case of military service order, Immigration appointment or Jury duty, the instructor must be contacted prior to the test or quiz, by email. Your final exam score will be replaced to any one of the missed tests. A student cannot miss more than one test for any reason whatsoever. His/her grade for the 2nd and more missed exam will be zero. Thus, there is NO make-up Quiz, Test, or Final Exam.
- **Questions about grading:** Questions about grading must be asked within one week of the graded works return.
- **Email:** If using email, you must use your university email (@westga.edu) for any communication; also check your university email account for any announcement regarding the class. I will not respond to any non-university emails.
• **Assistant:** If you find yourself falling behind in the course, do not delay in seeking out assistance and/or advice from someone (the Instructor, a tutor, etc.) who is competent in the subject area and who has your best interests at heart! **The Math Tutoring Center is in Boyd # 205 and is open daily at the posted times.**

• **Class Rules:** You are to turn off your cellular phone during the class. You are not allowed to use your phone as a calculator. Please respect your instructor and other students in the class. No talking or any distracting behavior. If you fall asleep in class, you will be asked to leave.

• **No Cell phone (Text):** Any distraction with cell phone will not allow during the class. No cell phone installed calculator allowed. Cell phones and laptops will not be permitted in class, unless prior arrangements have been made with the instructor (emergencies, disabilities, etc). Continued use of cell phones/laptops will result in your dismissal of class.

• **Cheating:** Cheating of any sort will not be tolerated. If you are found cheating or assisting in any form of cheating, you will be awarded a failing grade in that exam or quiz.

**Disabilities:** Students with a documented disability may work with UWG Accessibility Services to receive essential services specific to their disability. All entitlements to accommodations are based on documentation and USG Board of Regents standards. If you need course adaptations or accommodations because of a disability or chronic illness, or if you need to make special arrangements in case the building must be evacuated, you should notify me in writing and provide a copy of your Student Accommodations Report (SAR), which is available only from Accessibility Services. I cannot offer accommodations without timely receipt of the SAR; further, no retroactive accommodations will be given.

**Course Policies and Information:**
University Policies and Academic Support
Please carefully review the following Common Language for all university course syllabi at the link:

https://www.westga.edu/UWGSyllabusPolicies/

It contains important material pertaining to university policies and responsibilities. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

**Academic Honesty:**
Any form of academic dishonesty will result in a failing grade for the assignment for the first offense (students will not be able to replace this grade). A second offense will result in a failing grade for the course. All forms of academic dishonesty will be reported.

Definitions of academic dishonesty are defined in the student handbook: www.westga.edu/handbook/

**Common language of course syllabi:**
https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php

**IMPORTANT NOTE**
I reserve the right to modify this syllabus at any time during the course of the term. If such a modification is substantial, I will reissue a revised syllabus and announce the change in class.