



# Elementary Statistics

## MATH-1401

Fall 2022 Section E07 3 Credits 08/10/2022 to 12/09/2022 Modified 08/10/2022

### Description

This is a non-calculus based introduction to statistics. Course content includes descriptive statistics, probability theory, confidence intervals, hypothesis testing, and other selected statistical topics. Prerequisites: Math 1101 Mathematical Modeling, 1111 College Algebra, or 1113 Precalculus or approved equivalent.

#### Requisites

Prerequisites:

Learning Support Math 2: 3 or MATH 1001 Minimum Grade: D or MAT 150 Minimum Grade: D or MATH 1101 Minimum Grade: D or MATH 1113 Minimum Grade: D or MATH 1634 Minimum Grade: D or MAT 151 Minimum Grade: D or MAT 262 Minimum Grade: D

Corequisites:

### Contact Information

#### Instructor: Jim Bellon

Email: [jbellon@westga.edu](mailto:jbellon@westga.edu)

Office: Boyd 104

Phone: (678) 839-4140

Best way to contact me is through CourseDen

#### Office Hours

Monday, Wednesday, 12:50 PM to 1:55 PM, Boyd 104

Monday, Wednesday, 4:25 PM to 5:00 PM, Boyd 104

Friday, 9:00 AM to 10:00 AM, Boyd 104

Other hours possible by appointment  
virtual or Boyd 104

### Meeting Times

#### Live Webinars

Sundays 7:30 - 8:15 pm  
online in CourseDen

### Materials

#### Elementary Statistics

Author: Jim bellon

Availability: free download from CourseDen

Price: free

## calculator

Statistical Calculator. recommended models are the TI-83, TI-84 models from Texas Instruments.

## Outcomes

Upon successful completion of this course:

1. The students will know how to properly collect data,
2. How to describe and analyze that data
3. Make inferences about the population under study based on the sample data collected.
4. The students will also be aware of and able to interpret the statistics with which we are bombarded on a daily basis in media to make informed decisions about topics.
5. Students demonstrate a strong foundation in college-level mathematical concepts and principles.
6. Students demonstrate the ability to apply symbolic representations to model and solve real-world problems.

## Evaluation

### Criteria

Type	Weight	Topic	Notes
online HW	25%	access directly in CourseDen	One homework from each section. You have several attempts at each question and can get similar problems to replace if wrong. You can keep working until due date to improve your score as well as go back and practice anytime after due date. The 3 lowest homeworks will be dropped at the end of semester.
case study worksheets	20%	You pick a topic and collect analyze data	There will be several parts which you will download, complete and upload.
Online Quizzes	20%		5 online quizzes. You can take each quiz twice, best attempt will count. They are timed.
Participation/Attendance	10%	access directly in CourseDen	Two required attendance tasks: Introduction post and Syllabus Quiz. Also 4 statistics discussion boards with posts and replies.
Final Report for Case Study	10%		You will fix all previous parts of the case study, and put it all together in a report.
Final Exam	15%		

### Breakdown

Grade	Range	Notes
A	90 to 100%	
B	80 to 89%	
C	70 to 79%	
D	60 to 69%	

Grade	Range	Notes
F	below 60%	

## Assignments

See CourseDen

## Schedule

This is the schedule of assignment due dates for Mr. Bellon's Math 1401 online class Fall 2022. Any changes will be communicated through courseden by email/announcement and updated on the course calendar.

### Due Date                      Assignments

Mon 8/15                      Syllabus Quiz, Introduction post

**NOTE: the two assignments above MUST be done on time to remain in the course.**

Wed 8/17                      Replies to Introduction posts

Sun 8/21                      Case study part 1 Data Topic sheet

Mon 8/22                      Online HW 1.1 and HW 1.2

Mon 8/29                      Online HW 1.3 and HW 1.4

Thu 9/1                      Case study part 2 Raw Data spreadsheet

Sun 9/4                      Post for Stats discussion #1

Mon 9/5                      Online Quiz 1

Tue 9/6                      Reply to Instructor for Stats discussion #1

Thu 9/8                      Reply to other students for Stats discussion #1 and case study part 3 Data Summary

Mon 9/12                      Online HW 2.1 and HW 2.2

Mon 9/19	Online HW 2.3
Thu 9/22	Case study part 4 Raw Data statistics
Sun 9/25	Post for Stats discussion #2
Mon 9/26	Online Quiz 2
Tue 9/27	Reply to Instructor for Stats discussion #2
Thu 9/29	Reply to other students for Stats discussion #2
Mon 10/3	Online HW 3.1 and HW 3.2
Thu 10/6	Case study part 5 probability
Mon 10/10	Online HW 3.3 and Quiz 3
Sun 10/16	Post for Stats discussion #3
Mon 10/17	Online HW 4.1
Tue 10/18	Reply to Instructor for Stats discussion #3
Thu 10/20	Reply to other students for Stats discussion #3 and case study part 6 Normality
Mon 10/24	Online HW.4.2
Mon 10/31	Online Quiz 4
Thu 11/3	Case study part 7 Intervals
Mon 11/7	Online HW 5.1

Sun 11/13	Post for Stats discussion #4
Mon 11/14	Online HW 5.2
Tue 11/15	Reply to Instructor for Stats discussion #4
Thu 11/17	Reply to other students for Stats discussion #4
Mon 11/28	Online Quiz 5
Thu 12/1	Case study report Draft
Wed 12/7	case study Final Report
Thu 12/8	Final exam

## \* Course Policies and Resources

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### Attendance Policy

Students are expected to pay attention to CourseDen calendar and check for assignments online. Failure to do so will result in missing assignments and maybe being dropped. Grades will not be altered for attendance. HOWEVER, students are expected to login and complete all work when assigned. Students are responsible for the topics covered and assignments due whether present or not. "I didn't know" is NOT a valid excuse

### Make-up Policy

There are no make-ups for online assignments. You are expected to keep up with learning the material each day, completing assignments by the due dates, and getting help when needed.

### Extra Credit Policy

There will be NO extra credit given, period! Grades will be rounded to nearest whole percent. The dropped homework and quiz are the only other adjustment to grades.

## 🎯 College/School Policies

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The College of Arts, Culture, and Scientific Inquiry (CACSI) is dedicated to promoting excellence in teaching, scholarship, and service. The College aims to provide students with an understanding of contemporary and historical aspects of the various disciplines within the social, physical, and natural sciences and the arts and humanities. It also aims to support the development of skills needed for professional preparation. CACSI is committed to interdisciplinary inquiry and recognizes the transformative power of education. We empower faculty, staff, students, and alumni to engage responsibly and creatively with the complex environment of the 21<sup>st</sup> century, relying on the rich knowledge and skills gained from the study of the sciences, the humanities, and the arts. CACSI

teaches its students to research, think, write, communicate, and create, empowering them with adaptability, cultural literacy, and sensitivity, along with the critical thinking skills necessary to contribute to their communities and the public good in meaningful ways. CACSI faculty are committed to positively impacting the community at multiple levels via teacher education, public engagement, entertainment, and outreach.

## Institutional Policies

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### Academic Support

**Accessibility Services:** 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 a student needs course adaptations or accommodations because of a disability or chronic illness, or if he/she needs to make special arrangements in case the building must be evacuated, the student should notify his/her instructor in writing and provide a copy of his/her Student Accommodations Report (SAR), which is available only from Accessibility Services. Faculty cannot offer accommodations without timely receipt of the SAR; further, no retroactive accommodations will be given. For more information, please contact [Accessibility Services \(https://www.westga.edu/student-services/counseling/accessibility-services.php\)](https://www.westga.edu/student-services/counseling/accessibility-services.php).

**Center for Academic Success:** The [Center for Academic Success \(http://www.westga.edu/cas/\)](http://www.westga.edu/cas/) provides services, programs, and opportunities to help all undergraduate students succeed academically. For more information, contact them: 678-839-6280 or [cas@westga.edu](mailto:cas@westga.edu).

**University Writing Center:** The [University Writing Center \(https://www.westga.edu/writing/\)](https://www.westga.edu/writing/) assists students with all areas of the writing process. For more information, contact them: 678-839-6513 or [writing@westga.edu](mailto:writing@westga.edu).

### Online Courses

UWG takes students' privacy concerns seriously: technology-enhanced and partially and fully online courses use sites and entities beyond UWG and students have the right to know the privacy policies of these entities. For help with your online classes, additional online tutoring and other student success services, information on privacy and accessibility, and technology requirements, visit this [UWG Online \(https://uwgonline.service-now.com/kb/\)](https://uwgonline.service-now.com/kb/) Help site.

Students enrolled in online courses can find answers to many of their questions in the [Online/Off-Campus Student Guide \(http://uwgonline.westga.edu/online-student-guide.php\)](http://uwgonline.westga.edu/online-student-guide.php).

### Honor Code

At the University of West Georgia, we believe that academic and personal integrity are based upon honesty, trust, fairness, respect, and responsibility. Students at West Georgia assume responsibility for upholding the Honor Code. West Georgia students pledge to refrain from engaging in acts that do not maintain academic and personal integrity. These include, but are not limited to plagiarism\*, cheating\*, fabrications\*, aid of academic dishonesty, lying, bribery or threats, and stealing. When a student chooses to enroll at the University of West Georgia students pledge the following:

*Having read the honor code of UWG, I understand and accept my responsibility to uphold the values and beliefs described, and to conduct myself in a manner that will reflect the values of the institution in such a way as to respect the rights of all UWG community members. As a UWG student, I will represent myself truthfully and complete all academic assignments honestly.*

*I understand that if I violate this code, I will accept the penalties imposed, should I be found responsible for violations through the processes due to me as a University community member. These penalties may include expulsion from the University. I also recognize that my responsibility includes willingness to confront members of the University community, if I feel there has been a violation of the Honor Code.*

For more information on the University of West Georgia Honor Code, please visit the [Office of Community Standards \(https://www.westga.edu/administration/vpsa/ocs/index.php\)](https://www.westga.edu/administration/vpsa/ocs/index.php) site.

### UWG Email Policy

University of West Georgia students are provided a MyUWG e-mail account. The University considers this account to be an official

means of communication between the University and the student. The purpose of the official use of the student e-mail account is to provide an effective means of communicating important university related information to UWG students in a timely manner. It is the student's responsibility to check their email.

## Credit Hour Policy

The University of West Georgia grants one semester hour of credit for work equivalent to a minimum of one hour (50 minutes) of in-class or other direct faculty instruction AND two hours of student work outside of class per week for approximately fifteen weeks. For each course, the course syllabus will document the amount of in-class (or other direct faculty instruction) and out-of-class work required to earn the credit hour(s) assigned to the course. Out-of-class work will include all forms of credit-bearing activity, including but not limited to assignments, readings, observations, and musical practice. Where available, the university grants academic credit for students who verify via competency-based testing, that they have accomplished the learning outcomes associated with a course that would normally meet the requirements outlined above (e.g. AP credit, CLEP, and departmental exams).

## HB 280 (Campus Carry)

UWG follows University System of Georgia (USG) guidance: [http://www.usg.edu/hb280/additional\\_information#](http://www.usg.edu/hb280/additional_information#) ([http://www.usg.edu/hb280/additional\\_information](http://www.usg.edu/hb280/additional_information))

You may also visit our website for help with USG Guidance: <https://www.westga.edu/police/campus-carry.php> (<https://www.westga.edu/police/campus-carry.php>)

## Mental Health Support

If you or another student find that you are experiencing a mental health issue, free confidential services are available on campus in the [Counseling Center](#). Students who have experienced sexual or domestic violence may receive confidential medical and advocacy services with the Patient Advocates in [Health Services](#). To report a concern anonymously, please go to [UWGcares](#).

[Online counseling \(https://www.westga.edu/student-services/counseling/index.php\)](https://www.westga.edu/student-services/counseling/index.php) is also available for online students.

## ELL Resources

If you are a student having difficulty with English language skills, and / or U.S. culture is not your home culture, specialized resources are available to help you succeed. Please visit the [E.L.L. resource page](#) for more information.

## COVID-19

The University System of Georgia recognizes COVID-19 vaccines offer safe, effective protection and urges all students, faculty, staff, and visitors to get vaccinated either on campus or with a local provider.

## Additional Items

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Unique in both its structure and purpose, University College empowers every UWG student to make meaningful academic choices and equip them to navigate the complexities of life, solve local and global challenges, and BECOME who they dream of being. Our faculty, staff, and community partners collaborate with students to help them answer what they want to do and who they want to be.

As part of University College's commitment to your success, every student has a team of faculty, staff, and other students who will mentor them on their journey. For example, if a faculty notices that a student has difficulty in the early days of the semester, that professor will reach out to the student and to the student's success team with a process called "course alerts." In addition, the student will receive an email inviting them to meet with their professor, contact the Department of Student Success for a check-in appointment, and get in touch with other members of their success team.

In addition to faculty and professional staff, your mentor team will include trained and certified successful students (your peers) to work with you one-on-one. This service is free! These peers can work with you as a tutor in a course in which you have difficulty or give you the inside track on what it takes to be a successful student. You can even drop into several face-to-face or virtual tutoring and coaching locations. To make an appointment, call 678-839-6280 or visit

