

# Statistics for Business I

## ECON-3402

Fall 2021 Sections 04, 05 3 Credits 08/11/2021 to 12/10/2021 Modified 09/14/2021

### Description

Course emphasis is on applications of statistics in business. Topics include methods of presenting data, numerical measures and correlation, probability theory and probability distributions, sampling distributions, estimation, and hypothesis testing.

#### Requisites

Prerequisites:

(MATH 1111 or MATH 1113 ) and CISM 2201 and Richards Col Upper Division RCUD

Corequisites:

### Contact Information

#### Melanie Hildebrandt

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Office: Richards Hall 338

Phone: 678-785-7174

#### Office Hours

Wednesdays 12:30-1:30pm

Richards Hall 338

Thursdays 10am-3pm

Richards Hall 338

### Meeting Times

#### Section 04

Weekly

Monday, Wednesday, 9:30 AM to 10:45 AM, Richards Hall 120

#### Section 05

Weekly

Monday, Wednesday, 11:00 AM to 12:15 PM, Richards Hall 120

### Materials

#### Introductory Business Statistics

Author: Openstax

Publisher: Openstax

Edition: 16th

**Availability:** <https://openstax.org/details/books/introductory-business-statistics>

**Price:** Free

This is an open resource textbook and is available to download for FREE at <https://openstax.org/details/books/introductory-business-statistics>.

Alternatively, you may rent a printed copy from the UWG Bookstore for \$19.68 or purchase a printed copy there for \$26.80.

## Against All Odds: Inside Statistics- Video Series

*Each Unit will have assigned videos from this series and content from these will be included in both Course Den Assignments and Exams.*

**Availability:** <https://www.learner.org/series/against-all-odds-inside->

**Price:** Free

## Outcomes

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LO1-Construct and interpret tabular and graphical methods of presenting qualitative and quantitative data (LG2, LG3, LG10)

LO2-Construct and interpret summary and numerical measures of location, variability, and association for the sample and the population (LG2, LG3, LG10)

LO3-Apply basic probability concepts, expected value and variance to a variety of different business applications (LG2, LG6, LG10)

LO4-Use discrete and continuous probability distributions and sampling distributions in a variety of business applications (LG2, LG3, LG6, LG10)

LO5-Construct and interpret interval estimates and hypothesis tests (LG2)

LO6-Estimate regression models, evaluate the results of regression models, and use the results for prediction and forecasting (LG2, LG3, LG6, LG10)

LO7-Use Microsoft Excel to generate descriptive statistics and perform regression and correlation analysis (LG2, LG3, LG6, LG10)

## Evaluation

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### Criteria

All assignments must be complete by established deadlines. **Late work will not be accepted.**

While most course assignments are completed and graded in the Connect platform, the only "official" grades will be those that are posted to Course Den in the grade tab. Please compare your Connect grades to your CD grades to ensure accuracy.

Students with questions, concerns, complaints, etc. regarding a specific grade, **MUST** bring it to the instructor's attention within **72 hours** of the grade being posted in the Course Den grade book. **Grade issues such as missing or "incorrect" scores that are not brought to the instructor's attention until the end of the semester will not be addressed.**

If there are instances of academic dishonesty (i.e. cheating), the following will occur:

\*A grade of zero will be recorded in the CD grade book

\*Student will be notified via email and be presented instructor's justification

\*Student will have opportunity to defend position

\*If instructor still finds a case for academic dishonesty, grade of zero will remain and instance of academic dishonesty will be officially reported to the UWG Office of Community Standards

\*Note: If instructor deems the instance to be severe or if there are repeating instances, instructor has the right to issue a final grade of "F" for the course

Type	Weight	Topic	Notes
Unit Exams	600 pts	One per Unit, 4 total	Format: In-person exams during regularly scheduled class session with short answer and multiple choice questions. Covers all chapter and video content for that unit. 150 points each.
Unit Course Den Assignments	300 points	One per Unit, 4 total	Will be submitted in Course Den. Format will either be a multiple choice quiz or an assignment dropbox. Covers all chapter and video content that has been completed for that unit up to the due date. 75 points each
Excel Project	100 points	One Assignment	Details will be provided later in the term.
Bonus Points		To Be Determined	There may be bonus points given during the semester for attendance, class participation or other assignments. This may not be announced in advance and will not be made up without prior approval or documented (and approved) reasons for course absences.

## Breakdown

Final grades for this course will be assigned using the exact distribution listed below. Total course averages will be calculated out of 1,000 possible points. Any points above 1,000 will automatically count as "bonus".

Final grades will not automatically be "rounded up". For example, a student with a final point total of 899 will receive a final grade of "B".

Grade	Range	Notes
A	900+ points	
B	800 to 899 points	
C	700 to 799 points	
D	600 to 699 points	
F	Less than 600 points	

## Assignments

60% of your course grade is from the in-class Exams and the other 40% of your grade is from assignments completed outside of class sessions and submitted in Course Den. The due dates for these assignments will be listed in Course Den.

### Unit Exams : 1 per Unit, (4 total)

Each Unit has an Exam and ALL will be given in-person during regularly scheduled class sessions.

Exams will consist of Multiple Choice questions and short answer questions.

I will provide any scantrons, relevant formula lists, and statistical charts that are needed.

Students need to bring the following materials to exam sessions: higher function calculator (ex: financial calculator) and pencils.

*The formula lists and statistical charts for each unit will also be posted in Course Den so that you know what materials will be provided by me for the exam.*

Cases of academic dishonesty may result in penalties ranging from a zero on the Exam to a Failing Grade (F) for the course.

### Course Den Unit Exercises: 1 Per Unit, 4 total

There will either be a CD quiz or CD assignment for each unit.

# Excel Assignment

Details will be provided later in the term for an individual Excel assignment to be completed outside of class time.

## Schedule

This schedule provides a general plan for the course. Additional chapters/topics may be covered if time permits. **ALL assignment's Due Dates will remain fixed.** However, the material covered for each exam is tentative. Any changes will be announced in Course Den.

When	Topic	Notes
<b>Unit 1</b> Aug. 12th-Sept. 1st	Chapters 1-2, Videos 1, 3-6	<i>No "class" on 8/25</i>
<b>Add/Drop Ends</b>	Tues. Aug. 17th at 11:59pm	
<b>Unit 1 Assignment</b> Due Sun. 8/29 at 11:59pm	Chapters 1-2, Videos 1, 3-6	Complete in Course Den
<b>Unit 1 Exam</b> Wed. Sept. 1st Richards Hall 120	Chapters 1-2, Videos 1, 3-6	The Unit 1 Exam will be given in-person on Sept. 1st at: 9:30am for Section 04 11am for Section 05
<b>Unit 2</b> Sept. 8th-Oct. 5th	Chapters 3-5 and Videos 18-21	<i>No "class" 9/6 and 9/22</i>
<b>Unit 2 Assignment</b> Due Sun. 9/26 at 11:59pm	Chapters 3-5 and Videos 18-21	Complete in Course Den.
<b>Unit 2 Exam</b> Mon. Oct. 4th	Chapters 3-5 and Videos 18-21	The Unit 2 Exam will be given in-person on Oct. 4th at: 9:30am for Section 04 11am for Section 05
<b>Withdrawal Deadline</b> Fall 2021	Wed.. October 6th at 11:59pm	
<b>Unit 3</b> Oct. 6th-Nov. 3rd	Chapters 6-8 and Videos 7-9, 16-17, 22-24	<i>No "class" Oct. 11th or Oct. 13th</i>
<b>Unit 3 Assignment</b> Due Sun. 10/24 at 11:59pm	Chapters 6-8 and Videos 7-9, 16-17, 22-24	Complete in Course Den.
<b>Unit 3 Exam</b> Wed. Nov. 3rd	Chapters 6-8 and Videos 7-9, 16-17, 22-24	The Unit 3 Exam will be given in-person on Nov. 3rd at: 9:30am for Section 04 11am for Section 05
<b>Unit 4</b> 11/8-12/8	Chapters 9 & 13, and Videos 10-14 & 25-26	<i>No class 11/22 and 11/24</i>
<b>Unit 4 Assignment</b> Due 11/23 at 11:59pm	Chapters 9 & 13, and Videos 10-14 & 25-26	Complete in Course Den.
<b>Unit 4 Exam</b> Wed. Dec. 8th	Chapters 9 & 13, and Videos 10-14 & 25-26	The Unit 4 Exam will be given in-person on Dec. 8th at: 8am for Section 04 11am for Section 05

## College/School Policies

### Wolf Pact

Having read the Honor Code for the University of West Georgia, I understand and accept my responsibility to uphold the values

described therein and to conduct myself in a manner that will reflect the values of UWG and the Richards College of Business so 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 and within the parameters set by my instructor.

I understand and accept that if I am found guilty of violations (through processes due me as a UWG student and outlined in the UWG Student Handbook), penalties will be imposed.

I also recognize that my responsibility includes a willingness to confront members of the UWG community if I feel there has been a violation of the Honor Code.

Ultimately, I will conduct myself in a manner that promotes UWG as the best place to work, learn, and succeed for my generation, and those to come!

## About the Richards College of Business

### Vision

To become a globally recognized college of business preparing forward-thinking, responsible leaders.

### Mission

We are in the business of transforming lives through education, engagement, and experiences.

### Strategic Goals and Values

#### *Student Success*

Admit quality students and provide them with an education that is rich in experiences and engagement opportunities to prepare them to be effective and ethical professionals.

#### *Academic Success*

Recruit, retain and develop faculty and staff by providing sufficient resources to support dynamic and up-to-date bachelor and master-level curricula, to conduct research and other professional activities, and to support engagement with all stakeholders.

#### *Operational Success*

Recruit, retain and develop administrative management and staff personnel to manage, develop and support infrastructure and those activities that build internal and external partnerships while working in an ever-changing environment.

#### *Ethical Values*

The Richards College of Business community (administrators, faculty, staff, students, and business partners) share a commitment to the principles of honesty and integrity in interactions and undertakings, accountability for personal behavior, and respect for the rights, differences, and dignity of others. In addition, we strive to continuously improve our abilities to recognize unethical behavior and to make ethical and moral decisions.

## 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 more information on privacy and accessibility for the most commonly used sites, as well as technology requirements visit the [UWG Online \(https://uwgonline.westga.edu/\)](https://uwgonline.westga.edu/) 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).

If a student is experiencing distress and needs help, please see the resources available at the [UWG Cares \(http://www.westga.edu/UWGCares/\)](http://www.westga.edu/UWGCares/) site. [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.

## 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, fabrication, aid of academic dishonesty, lying, bribery or threats, and stealing.

The University of West Georgia maintains and monitors a confidential Academic Dishonesty Tracking System. This database collects and reports patterns of repeated student violations across all the Colleges, the Ingram Library, and the School of Nursing. Each incidence of academic dishonesty is subject to review and consideration by the instructor, and is subject to a range of academic penalties including, but not limited to, failing the assignment and/or failing the course. Student conduct sanctions range from verbal warning to suspension or expulsion depending on the magnitude of the offense and/or number of offenses. The incident becomes part of the student's conduct record at UWG.

Additionally, the student is responsible for safeguarding his/her computer account. The student's account and network connection are for his/her individual use. A computer account is to be used only by the person to whom it has been issued. The student is responsible for all actions originating through his/her account or network connection. Students must not impersonate others or misrepresent or conceal their identities in electronic messages and actions. 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 his or her 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\(https://www.westga.edu/police/campus-carry.php\)](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](#).

## 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 health and safety of our students, faculty, and staff remain the University of West Georgia's top priority.

For the most recent information on coronavirus disease (COVID-19) visit:

- [UWG's Guidance on Face Coverings \(https://www.westga.edu/coronavirus-info/return-to-campus/faq/what-is-the-guidance-on-the-use-of-face-coverings.php\)](https://www.westga.edu/coronavirus-info/return-to-campus/faq/what-is-the-guidance-on-the-use-of-face-coverings.php)
- [Centers for Disease Control and Prevention FAQ \(https://www.cdc.gov/coronavirus/2019-ncov/faq.html\)](https://www.cdc.gov/coronavirus/2019-ncov/faq.html)
- [Georgia Department of Public Health \(https://dph.georgia.gov/\)](https://dph.georgia.gov/)

## Additional Items

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