

Statistics for Business I

ECON-3402

Spring 2022 Section N02 3 Credits 01/08/2022 to 05/10/2022 Modified 03/07/2022

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

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Office: Richards Hall 338

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Office Hours

Mondays 9am-1:45pm

Richards Hall 338

Wednesdays 9-11am

Virtual Appts with Google Meet

Thursdays 9-11am

Virtual Appts with Google Meet

Meeting Times

100% Online (except Final Exam)

This course is fully online with no in-person or synchronous class meetings. There is however a required Final Exam that must be completed with Prof. Hildebrandt on the Carrollton campus (date & time TBD) or through a proctoring service where a fee will apply.

Materials

Automatic Bundle: Statistical Techniques In Business And Economics (with Connect access)

Author: Lind

Publisher: McGraw-Hill

Edition: 18th
ISBN: Day One Access Program
Availability: Automatic Add-On
Price: \$108

The UWG Bookstore, McGraw-Hill Publishers, UWG Online (CourseDen Support), and your professor have partnered together to provide the most cost effective option for you to receive your digital course materials for your ECON 3402 course. The material is provided to you through the LMS (CourseDen Account). Simply log in to CourseDen and choose the tile associated with this course to gain access to the material.

The cost of the material will be attached to your student bill on 01/08/22 in the amount of \$108.00. You do not need to look elsewhere for material. You can opt out of the delivery of the material before the end of drop/add on 1/14/2022, but will be responsible to obtain the material on your own without the lower discounted rate. For questions about your access please contact the Day One Access team at dayone@westga.edu (<mailto:dayone@westga.edu>) or 678-839-5563.

Outcomes

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

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
Connect Learn Smart Readings	9%	One per Chapter	The LOWEST 2 scores will be dropped (9 count for credit)
Connect Homeworks	18%	One per Chapter	The LOWEST 2 scores will be dropped (9 will count for credit)
Connect Unit Problem Sets	19%	One per unit	The LOWEST score will be dropped (2 count for credit)
Connect Quizzes	24%	One per unit	The LOWEST score will be dropped (2 count for credit)
Excel Project	10%	Cumulative	Details will be posted in Course Den.
FINAL EXAM	20%	Cumulative	There is a REQUIRED, PROCTORED Final Exam for this course. You may take with Prof. Hildebrandt (no fee) on the Carrollton Campus at a date and time TBD. OR it will be the student's responsibility to arrange (and pay for) proctoring services using Proctor U or an approved Testing Center (more details posted in the "additional items" section at the end of the syllabus.)

Breakdown

Final grades for this course will be assigned using the exact distribution listed below. Final grades will not automatically be "rounded up". For example, a student with a final average of 89.9% will receive a grade of "B".

Grade	Range	Notes
A	90 or higher	
B	80 up to 90	
C	70 up to 80	
D	60 up to 70	
F	Below 60	

Assignments

70% of your grade is from four types of Connect assignments (Chapter Learn Smart Readings, Chapter Homeworks, Unit Problem Sets, and Unit quizzes). The due dates for these assignments will be listed in Connect and in Course Den. There is then an Excel Project submitted in Course Den for 10% and a PROCTORED Final Exam for 20%.

Connect Learn Smart Readings : 1 per Chapter (2 lowest dropped)

In the Connect platform students will receive a grade for completing each chapter's Learn Smart Reading assignment. These assignments consist of students reading the chapters in the eTextbook and answering questions after certain sections.

Students can go back to previous sections of a chapter to re-review and try questions again. There are no time limits to these readings and students have unlimited attempts to correctly answer all of the questions until the assignment due date.

In some chapters fewer concepts are covered and so the reading and answering of questions may only take 20-30 minutes. Other chapters are more involved and may take 1.5-2 hours to complete. Please plan accordingly.

Ideally, students will complete the LSR assignments as we move through the units as they are designed to help students better understand the concepts covered.

Connect HWs: 1 per Chapter (2 lowest dropped)

In the Connect platform there will be 1 Homework assignment per chapter. These will consist of multiple choice and short response questions.

Unlimited attempts are available until the due date. There is no time limit on these assignments.

Connect Quizzes : 1 Per Unit (1 lowest dropped)

Each Unit Quiz will be given virtually in the Connect platform. Proctoring for these quizzes is NOT required.

Quizzes will consist of Multiple Choice questions. Quizzes will be open for a 7 day period, but will have a TIME LIMIT. Also, once started, students MUST complete the Quiz during that timed session! Students cannot save quiz progress to complete at a later date.

Students are encouraged to have the following materials when completing quizzes: higher function calculator (ex: financial calculator), course notes, formula list (available for each unit in Course Den) and statistical charts for that unit (z chart, t chart, etc--also will be posted in Course Den).

Quizzes are INDIVIDUAL assessments and students are NOT permitted to seek outside assistance from classmates, other individuals, or other external websites. Cases of academic dishonesty may result in penalties ranging from a zero on the Exam to a Failing Grade (F) for the course.

Connect Problem Sets: 1 Per Unit (1 lowest dropped)

In the Connect platform each Unit will have a set of statistical problems for students to complete. Completed problem sets are due at the same night as the Unit's quiz.

Excel Project

At the end of this course, students will complete a series of exercises in Excel and submit their completed work in a Course Den dropbox. More details available in CD.

Final Exam : Proctored

There is a REQUIRED, PROCTORED Final Exam for this course.

You may take with Prof. Hildebrandt (no fee) on the Carrollton Campus at a date and time TBD.

OR it will be the student's responsibility to arrange (and pay for) proctoring services using Proctor U or an approved Testing Center (more details posted in the "additional items" section at the end of the syllabus.)

Schedule

When	Topic	Notes
Drop/Add Ends		Jan. 14th at 11:59pm
Getting Started	Course Den: Syllabus Quiz	Due Fri 1/21 at 11:59pm
Unit 1 LSR 4 total	Ch 1, 2, 3 and 4	Due Monday 1/31 at 11:59pm
Unit 1 HW 4 total	Ch 1, 2, 3 and 4	Due Monday Feb. 7th at 11:59pm
Unit 1 PS & Quiz	Ch 1, 2, 3 and 4	Due Monday Feb. 14th at 11:59pm
Unit 2 LSR 2 total	Ch 5 and 6	Due Monday Feb. 28th at 11:59pm

When	Topic	Notes
Unit 2 HW 2 total	Ch 5 and 6	Due Monday Feb. 28th at 11:59pm
Spring 2022 Withdrawal Deadline	March 3rd at 11:59pm	
Unit 2 PS & Quiz	Ch 5 and 6	Due Monday March 7th at 11:59pm
Spring Break	March 21st - 25th	
Unit 3 LSR 5 Total	Ch 7, 8, 9, 10 and 13	Due Monday April 18th at 11:59pm
Unit 3 HW 5 total	Ch 7, 8, 9, 10 and 13	Due Monday April 25th at 11:59pm
Unit 3 PS & Quiz	Ch 7, 8, 9, 10 and 13	Due Monday May 2nd at 11:59pm
Excel Project		Due Monday May 9th at 11:59pm
Final Exam TBD	Cumulative	

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

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.

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.

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)

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](#).

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. Additionally, everyone is encouraged to wear a mask or face covering while inside campus facilities. The system continues to work closely with the Georgia Department of Public Health to prioritize the health and safety of our campus communities

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/>)

Proctored Final Exam

A PROCTORED Final Exam is required for this course. It is CUMULATIVE and worth 20% of your total course average. There are two options for taking the exam.

Option 1: Complete with Prof. Hildebrandt on the Carrollton Campus (no fee). Exact Date, Time and Location TBD.

Option 2: Students may work directly with the UWG Online Office for a proctored exam at an approved Testing Center or via ProctorU. The [UWG Online website](#) has more details on fees and locations for proctored exams. You have a window of April 30th - May 10th for possible dates to schedule your proctored exam (the UWG Testing Centers in Carrollton and Newnan may not have any slots available). Be sure to complete the [Student Exam Notification Form](#) so that all arrangements can be made for your proctored exam.