



COB Vision

Our vision is to be a recognized leader in developing business talent and ideas that create growth and opportunity in Arkansas and globally.

COB Statement of Mission and Core Values

We educate a diverse population of current and future business professionals to successfully and ethically meet the challenges of the global business environment. Through active engagement with the local, regional, national, and global communities, our faculty strive to deliver a high quality business education via experiential education, a relevant curriculum, and scholarly contributions. We pursue continuous improvement opportunities to add value for our College and its stakeholders.

In carrying out this mission, the College of Business is guided by the following core values and expects the following outcomes:

1. Intellectual Excellence.

1.1. Educate students: We promote intellectual and professional development of students by emphasizing communication, critical and analytical thinking, collaboration, information management and a broad exposure to key business disciplines.

1.2. Scholarship: We believe that faculty and students should engage in professional development and scholarly endeavors that promote and impact the application, creation and dissemination of knowledge through contributions to business practice, learning and pedagogical research, and discipline-based scholarship.

1.3. Cultural competence: We maintain and develop current and responsive curriculum that prepares students for the global business environment through broad exposure to key business disciplines.

1.4. Physical learning environment: We strive to provide a physical infrastructure with appropriate technology that provides an environment in which our students and faculty can thrive professionally and intellectually.

2. Community.

2.1. Collegiality: We encourage transparency in our decision making practice through a process of shared governance based on interactions among faculty, staff, and students.

2.2. Service: We pursue collaborative partnerships between our internal and external stakeholders to impact and promote life-long and experiential learning, research, service, and community engagement.

3. Diversity.

3.1. We value the opportunity to work, learn, and develop in a community that embraces the diversity of individuals and ideas.

4. Integrity.

4.1. Ethics: We are committed to ethical and responsible behavior in our own actions and to developing the same commitment in our students by promoting the awareness of professional ethical responsibilities.

4.2. Responsibility: We commit to being responsible and accountable in our operations at all levels, including assessment and continuous improvement of our academic programs and transparency in our fiscal and operational proceedings.

Learning Goals

Our graduates shall possess:

1. Critical Thinking & Analytical Thinking Skills;
2. Awareness of the Global Business Environment;
3. Ethical Reasoning Abilities;
4. Effective Communication Abilities;
5. Effective Collaborative Skills;
6. Understanding of a Broad Range of Business Disciplines.

Course Syllabus

Course Information

Course Number:	QMTM 2330
Course Name:	Business Statistics
CRN:	11715
Semester:	Fall 2018
Location:	COB 308
Class Hours:	8 -8:50 am

Instructor Information

Name:	Dr. Ken Griffin
Office Location:	COB 102 E
Work Email:	keng@uca.edu
Phone:	501-852-0894
Office Hours:	2 – 4 MTWTF

Prerequisites: Math 1390

Textbook and Instructional Materials Required:

Text is optional.

Statistical Techniques in Business and Economics by Lind, Marchal and Wathen
9th edition

Course Description:

Business Statistics is a required course for all business majors as part of the business foundation. The course is taught by lecture, solving problems, and discussion. The course includes an introduction to descriptive statistics, probability theory, discrete and continuous distributions, estimation, and sampling concepts.

Course Objectives:

To be able to solve business related problems using basic statistical methods.

- Distinguish between categorical and numerical (qualitative and quantitative) data.
- Calculate descriptive statistics for categorical and numerical data.
- Create appropriate graphs/charts for categorical and numerical data.
- Describe association between categorical and numerical variables.
- Determine conditions for independent, disjoint, dependent and conditional events.
- Calculate the probabilities for independent, disjoint, dependent and conditional events.
- Differentiate between different random events (Bernoulli, binomial, Poisson, and Normal).
- Calculate the probabilities of random events (Bernoulli, binomial, Poisson, and Normal).

Course Delivery Method:

Online and traditional classroom. There will be lecture on Monday and Wednesday of each week. Class will not meet on Fridays. On Friday of each week there will an online assignment with a short video on the material covered during Monday and Wednesday and several questions related to the material and video. These questions will be graded and recorded in Blackboard. The points available from these questions will be worth 100 points collectively and added to your total points grade.

Grading:**EXAMS:**

There will be a total of 10 quizzes, one for each chapter,. Quizzes will be done online in Blackboard and will have a time limit of 1 hour imposed and worth 100 points each. You will be able to take each quiz twice with only the highest grade being recorded. Results of each quiz will be available in Blackboard Gradebook after the submitting of a quiz. There will be a final exam online that covers chapters 1 to 10, will be open book and notes, will be worth 300 points and is optional and may be taken only once during the final exam test period in our classroom. There will be 2 hour time limit imposed on the final exam. Your final grade will be calculated based on the total number of points that you accumulate of your 10 quiz grades (1000 points possible), 100 points possible from the Friday assignments, 300 points possible from the final exam (if taken) as shown below:

Grading Scale: No final exam		Grading Scale: With final exam	
Total Points	Grade	Total Points	Grade
984 - 1100	A	1253 – 1400	A
874 - 983	B	1113 – 1252	B
764 - 873	C	973 - 1112	C
654 - 764	D	833 – 972	D
0 – 653	F	0 – 832	F

Description of Major Deliverables/Course Requirements:**Class Schedule:**

Grades will be available in Blackboard after submitting each quiz. Each quiz will be available until the date listed on the class schedule.

Chapter 1: What Is Statistics Quiz 1 available Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 2: Describing Data Quiz 2 available Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 3: Describing Data: Numerical Measures Quiz 3 available Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 4: Describing Data: Displaying and Exploring Data Quiz 4 Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 5: A Survey of probability Concepts Quiz 5 available Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 6: Discrete Probability Distributions Quiz 6 available Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 7: Continuous Probability Distributions Quiz 7 available Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 8: Sampling Methods and the Central Limit Theorem Quiz 8 available Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 9: Estimation and Confidence Intervals Quiz 9 available Wed. Aug 29 – Wed. Dec. 12 noon online

Chapter 10 One Sample Tests of Hypothesis Quiz 10 available Wed. Aug 29 – Wed. Dec. 12 noon online

Final exam available in class only 8 am – 10 am Wednesday Dec. 12, in classroom.

Evaluations (Fall & Spring)

Student evaluations of a course and its professor are a crucial element in helping faculty achieve excellence in the classroom and the institution in demonstrating that students are gaining knowledge. Students may evaluate courses they are taking starting on the Monday of the thirteenth week of instruction through the end of finals week by logging in to myUCA and clicking on the Evals button on the top right.

Policies and Procedures:

Attendance and Drop policies:

Your active participation in this course is expected and required for you to learn the material and earn a passing grade. In on-line courses, attendance/participation is assessed by progress towards the completion of the class. If you fail to regularly and actively participate (e.g., take weekly quizzes, submit weekly assignments, participate in on-line discussions, etc.) it will demonstrate that you are not making a reasonable effort to complete this course, and you will be administratively dropped for non-attendance with a grade of W. |

Assignment Submission:

Blackboard |

Makeup Exams:

No makeup exams are allowed. The quizzes and final exam are to be your sole work. You may NOT receive any assistance from anyone else on these tests (unless otherwise instructed).

Classroom Policies:

No food or drinks in lab

Academic Integrity Statement:

The University of Central Arkansas affirms its commitment to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, approved by the Board of Trustees as Board Policy No. 709 on February 10, 2010, and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in this course affirms a student's acceptance of this university policy.

Disabilities Act Statement:

The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If you need an accommodation under this Act due to a disability, please contact the UCA Office of Disability Services, 450-3613.

Sexual Harassment and Academic Policies:

All students are required to familiarize themselves with the University of Central Arkansas policy on sexual harassment and on academic policies. These policies are printed in the Student Handbook.

Title IX

If a student discloses an act of sexual harassment, discrimination, assault, or other sexual misconduct to a faculty member, the faculty member cannot maintain complete confidentiality and is required to report the act and may be required to reveal the names of the parties involved. Any allegations made by a student may or may not trigger an investigation. Each situation differs and the obligation to conduct an investigation will depend on those specific set of circumstances. The determination to conduct an investigation will be made by the Title IX Coordinator. For further information, please visit: <http://uca.edu/titleix>.

Emergency Procedures Summary (EPS):

An Emergency Procedures Summary (EPS) for the building in which this class is held will be discussed during the first week of this course. EPS documents for most buildings on campus are available at <http://uca.edu/mysafety/bep/>. Every student should be familiar with emergency procedures for any campus building in which he/she spends time for classes or other purposes.

Other Required Materials/Competencies/Resources:

N/A

Accreditation & Assurance of Learning

Learning Goal(s) Assessed in this Class

- There is no formal assessment activity scheduled in this class.
 There is formal assessment activity scheduled in this class.

Learning Goals: No formal assessment Fall 2018

There is a formal assessment given at the beginning and end of the course. This assessment measures the level of improved statistical knowledge of each student. Comparisons are made using averages and are not individually attributable to students.

Learning Goals.

Students' should be able to use statistical techniques presented in this course and identified in the course objectives to describe data, differentiate between data, and provide information about the data to assist in decision making.

Learning Objective.

See Course Objectives.

Measure:

A 10 question assessment with multiple choice questions is provided to students electronically within the first week of course start. The same assessment is provided to students the last week of the course.

Benchmark:

There is no benchmark for the pre-test. The goal is for the average of all students taking this assessment each semester to obtain a 50% or higher and for there to be an improvement of 30% from the pre to the post-test.