

ARIZONA WESTERN COLLEGE  
SYLLABUS

## QBA 211 QUANTITATIVE ANALYSIS

Credit Hours: 3 Lec 3 Lab 1

PREREQUISITE: MAT 151

COURSE DESCRIPTION

Methods of collection, tabulation, and analysis of business and economic data, including measures of central tendency and dispersion, probability theory, frequency distributions, statistical inference, and statistical decision making.

1. COURSE GOALS

- 1.1. Demonstrate statistical concepts.
- 1.2. Apply statistical concepts.
- 1.3. Demonstrate business and personal decision making using statistics.
- 1.4. Correlate economic and statistical data for decision making.
- 1.5. Utilize computer tools to aid in the aforementioned concepts and applications.

2. OUTCOMES

Upon satisfactory completion of this course, students will be able to:

- 2.1. describe basic statistical terms.
- 2.2. demonstrate basic formularies in decision making.
- 2.3. use statistical formulas in business applications.
- 2.4. use statistical formulas in personal applications.
- 2.5. use spreadsheet software for statistical functions.

3. METHOD OF INSTRUCTION

- 3.1 Lecture
- 3.2 Facilitate class and group exercises
- 3.3 Provide appropriate hands on lab work and exercises
- 3.4 Give quizzes and exams
- 3.5 Moderate class discussions
- 3.6 Render individualized instruction
- 3.7 Afford feedback on written and oral assignments
- 3.8 Demonstrate use of some application packages
- 3.9 Moderate debates
- 3.10 Ask and answer questions
- 3.11 Suggest study and memorization techniques
- 3.12 Present additional information topics

4. LEARNING ACTIVITIES

- 4.1 Listen to and take notes during lectures
- 4.2 Participate in class and group exercises
- 4.3 Complete hands on lab work and exercises
- 4.4 Review incorrect answers to questions on quizzes and exams
- 4.5 Take part in class discussion
- 4.6 Read assigned chapters and do tutorials
- 4.7 Analyze feedback and apply to future learning situations
- 4.8 Ask question if concepts are not understood

- 4.9 Make an oral presentation on one aspect of computers participate in debates on controversial topics in statistics
- 4.10 Interpret the influence of a company with statistical application
- 4.11 Write critically about a current topic

## 5. EVALUATION

- 5.1 Midterm exam multiple choice and true false. Exam will cover both written and read material. Key word study sheet will be handed out at least one week prior to the exam
- 5.2 Quizzes
- 5.3 Projects as assigned At least one project will incorporate Excel
- 5.4 Labs exercises will be assigned in class
- 5.5 Take home assignments
- 5.6 Work sheets will be presented during lecture
- 5.7 Assignments, labs, work sheets, and take homes
- 5.8 Mid Term
- 5.9 Final Exam

## 6. STUDENT RESPONSIBILITIES

- 6.1 Under AWC Policy, students are expected to attend every session of class in which they are enrolled.
- 6.2 If a student is unable to attend the course or must drop the course for any reason, it will be the responsibility of the student to withdraw from the course. Students who are not attending as of the 45th day of the course may be withdrawn by the instructor. If the student does not withdraw from the course and fails to complete the requirements of the course, the student will receive a failing grade.
- 6.3 Americans with Disabilities Act Accommodations: Arizona Western College provides academic accommodations to students with disabilities through AccessABILITY Resource Services (ARS). ARS provides reasonable and appropriate accommodations to students who have documented disabilities. It is the responsibility of the student to make the ARS Coordinator aware of the need for accommodations in the classroom prior to the beginning of the semester. Students should follow up with their instructors once the semester begins. To make an appointment call the ARS front desk at (928) 344-7674 or ARS Coordinator at (928) 344-7629, in the College Community Center (3C) building, next to Advising.
- 6.4 Academic Integrity: Any student participating in acts of academic dishonesty—including, but not limited to, copying the work of other students, using unauthorized “crib notes”, plagiarism, stealing tests, or forging an instructor’s signature—will be subject to the procedures and consequences outlined in AWC’s Student Code of Conduct.
- 6.5 Texts and Notebooks: Students are required to obtain the class materials for the course.
- 6.6 Arizona Western College students are expected to attend every class session in which they are enrolled. To comply with Federal Financial Aid regulations (34 CFR 668.21), Arizona Western College (AWC) has established an Attendance Verification process for “No Show” reporting during the first 10 days of each semester.  
Students who have enrolled but have never attended class may be issued a “No Show” (NS) grade by the professor or instructor and receive a final grade of “NS” on their official academic record. An NS grade may result in a student losing their federal financial aid.  
For online classes, *student attendance in an online class is defined as the following* (FSA Handbook, 2012, 5-90):
  - Submitting an academic assignment
  - Taking an exam, an interactive tutorial or computer-assisted instruction
  - Attending a study group that is assigned by the school
  - Participating in an online discussion about academic matters
  - Initiating contact with a faculty member to ask a question about the academic subject studied in the course