BUS 318 – BUSINESS STATISTICS

Course Syllabus

Instructor Information

Instructor: Dr. Linda Reid
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Phone: 719-587-7131
Fax: 719-587-7603
Address: 208 Edgemont Blvd. Alamosa, CO 81101
Office Hours: By Appointment Only

Course Delivery

Online, Semester-based

Credit Hours

3 Semester Hours

Course Prerequisites

Math 104 or above, complete or concurrent

Course Time Limits

All Semester-based courses follow a 16 week calendar as detailed in the Course Schedule.

Course Materials

Textbooks can be purchased from the Adams State University Bookstore. To order textbooks or obtain information about book titles, you may go to exstudies.adams.edu and click on the "Undergraduate" or "Educators K-12" icon. Click on the "Bookstore" link. Click on the button that reads "Graduation, Books, Clothing & Merchandise". Click on "Books" in the green navigation bar. Select "DISTLEARN" from the department menu. (http://adams.edu/students/sub/bookstore/)

Use Section Number: 1495 to order books from Bookstore site. This should provide the correct textbook information and ordering options.
BUS 318 – BUSINESS STATISTICS

If you have questions, you can contact the Bookstore at 719-587-7981, email Loretta Martinez at lcmartin@adams.edu or send a mailed request to Adams State University Bookstore, 208 Edgemont Blvd., Suite 3140, Alamosa, CO 81101.

Required Textbook:

Statistics Study Guide and Supplemental Problems. By Dr. Linda Reid. Includes powerpoint slides, extra credit assignments, projects, and all materials needed for the class.

Optional Textbooks:


Other Required Materials:

- You will need access to the Internet, to log on to the Blackboard site (online.adams.edu) for this class. There you will find course lecture slides, other documents for the class, and your grades

- You will need a calculator for various calculation problems in and out of class (preferably a Texas Instrument BA II Plus).

Catalog Description

This course will introduce students to different types of statistics and statistical methods. Students will then be able to determine which statistic and/or method is appropriate for a given situation. Emphasis will not be placed on memorizing formulas, but instead will be placed on applying statistics to real world business problems.

Student Learning Outcomes

At the completion of the course, the student will be able to:

1. Explain the terminology associated with statistics.
2. Learn the different types of statistics and statistical methods.
3. Apply the appropriate statistic and/or method to real world business problems. Progress in achieving this objective will be measured by scores on exams and in-class assignments.
4. Analyze statistical problems by modern computer software. Progress in achieving this objective will be measured by scores on projects.
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Competencies:

1. Computer-Based Skills - The student will utilize spreadsheet software to solve the projects.
2. Communication Skills - The student will demonstrate written communication skills by completing the projects.
3. Problem Solving (Critical Thinking) - The student will use conceptual thinking and problem solving skills to discuss and analyze statistical problems.
4. Ethical Issues in Decision Making and Behavior - The student will develop an appreciation for maintaining integrity in statistics.
5. Personal Accountability for Achievement - the student will complete the required assignments.
6. The mathematics prerequisites, as well as knowledge of the Excel spreadsheet program, must be completed before this course is attempted.

Required Background:

1. The mathematics prerequisites, as well as knowledge of the Excel spreadsheet program, must be completed before this course is attempted.

Course Requirements

Examinations:

Three exams will be given and a comprehensive final. The exams consist of multiple choice questions, fill-in-the-blank questions, matching questions, and problems. You will be allowed a formula sheet for exams two, three, and the final exam. A formula sheet will not be allowed for exam one.

Projects:

Four projects worth 25 points each will be handed in to the professor for grading. The projects and directions of how to solve these problems will be handed out in class. The projects can be solved with excel or done manually by hand. The projects will reinforce classroom discussions.

Extra Credit:

This class will give you opportunities to earn extra credit points for each exam. The extra credit problems are found in the Supplement.

Study Guide Problems:

The study guide questions and problems for each chapter are included in the Supplement. All study guide answers will be provided under the Learning Module link. The study guide questions and problems will not be handed in to the professor for
Tentative Course Outline

Module 1: Readings:
Week 1 Chapter 1
Week 2 Chapter 2
Week 3 Chapter 3
Week 4 Chapter 4
Week 5 Exam #1, Chapters 1, 2, 3, & 4. Project #1 Due.
*No formula sheet allowed

Module 2: Readings:
Week 6 Chapter 5
Week 7 Chapter 6
Week 8 Chapter 7
Week 9 Exam #2, Chapters 5, 6, & 7. Project #2 Due.
*One 8 1/2 by 11 sheet, two-sided, is allowed for formulas.

Module 3: Readings:
Week 10 Chapter 19
Week 11 Chapter 16
Week 12 Chapter 8
Week 13 Exam #3, Chapters 19, 16, & 8. Project #3 is Due.
*One 8 1/2 by 11 sheet, two-sided, is allowed for formulas.

Module 4: Readings:
Week 14 Chapter 9
Week 15 Chapter 10

Week 16 Chapter 12

Week 16 Comprehensive Final Exam -- 13:00-14:50 P.M

Grade Distribution and Scale

In alignment with ASU academic policies, no D may apply to a major or minor field.

Grade Distribution:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>Examinations (3)</td>
<td>100 each</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100 points</td>
</tr>
<tr>
<td>Projects (4)</td>
<td>25 each</td>
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Grade Scale:

<table>
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<tr>
<th>Points Range</th>
<th>Percentage</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>450-500 points</td>
<td>90%-100%</td>
<td>A</td>
</tr>
<tr>
<td>400 - 449 points</td>
<td>80%-89%</td>
<td>B</td>
</tr>
<tr>
<td>350 - 399 points</td>
<td>70%-79%</td>
<td>C</td>
</tr>
<tr>
<td>300 - 349 points</td>
<td>60%-69%</td>
<td>D</td>
</tr>
<tr>
<td>Below 299 points</td>
<td>59% and Below</td>
<td>F</td>
</tr>
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ADA Statement

Students who need special accommodation to complete this class should contact the instructor and the Adams State University Counseling Center at 719-587-7746.

Academic Integrity

Cheating, plagiarism, unauthorized possession or disposition of academic materials, or the falsification or fabrication of one’s academic work will NOT be tolerated. Any offense may result in a zero for the exam or exercise in question and may result in failure of the course. Please refer to the ASU Student Handbook for more information: http://www.adams.edu/pubs