

STATISTICS

MBA 507

UNIVERSITY OF INDIANAPOLIS-SCHOOL OF BUSINESS

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Office Hours: M 3-5 p.m. and TR 2:30-4:30; other times by appointment
Textbook: Statistics For Business And Economics, Tenth Edition (10e.)
David R. Anderson, Dennis J. Sweeney, and Thomas
A. Williams. Thompson Southwestern

Purpose: Students will learn to interpret and apply: Basic statistics utilized in business, frequency distributions, measures of central tendency, variation, probability, statistical inference, regression, multivariate analysis, correlation, forecasting, and sampling techniques.

Course Objectives:

Students will understand the following:

1. The terminology and definitions used in statistics for business.
2. When and how to apply statistics in business.
3. Variation.
4. Hypothesis testing
5. Control charts
6. Forecasting

Teaching Methods:

- a. Lecture
- b. Discussion
- c. Group Work
- d. Exams

Course Requirements:

- (1) Answers to Chapter Questions (560 Points)
- (2) Exam 1 (100 Points)
- (3) Exam 2 (100 Points)
- (4) Class Participation (50 Points)

Reading: It is anticipated that each student will have read the assigned material prior to the class period during which the chapter will be discussed. Please refer to the class outline (*please note that the outline may change throughout the semester*). Class meetings may involve experiential learning activities.

Class Discussion/Participation/Attendance: Each student will be responsible for sharing questions and insights with other class members. Each class member will be evaluated on the quantity and quality of their participation. Students are encouraged to bring to class items from literature, media, work environment, etc. that relate to class topics.

Attendance will be taken into account. If you will be unable to attend class, please contact me by phone or e-mail at the earliest possible time. Failure to notify me in advance will result in a greater loss of participation points. One absence will be allowed. Additional unexcused absence will reduce the student's total participation score.

Assignments: Assignments are due at the beginning of class on the assigned date. Late work will be accepted at the *beginning of the next class meeting date* with a 10% penalty applied. Though students may discuss assignments with each other, all assignments are to be done on an individual basis and all work submitted must be completed by that individual. Any incidence of cheating will result in a student failing the course. Show all work on how you derived the answer!

Electronic Submission:

Responses to all assignments must be submitted as a WORD or EXCEL document through Digital Dropbox in Blackboard. Work on how the answers were derived needs to be shown on your document!!!

Course Outline:

DATE	READINGS & ASSIGNMENTS	TESTS & EVALUATIONS
Session 1	Introduction of Class Members. Discussion of Class Content. Introduction and EXCEL. 1) Read Chapter 1 – Answer Questions 4, 6, 15, 22, 24	NOTE: Answer the Chapter 1 Questions and bring a copy of your work to class
2	(2) Read Chapter 2 – Answer Questions 12, 22, and 30; Read Appendix 2.2 (3) Read Chapter 3 – Answer Questions 1, 4, 34, 54, 60 and 64. Read Appendix 3.2	
3	(4) Read Chapter 4 – Answer Questions 18, 28, 34, and 52 5) Read Chapter Answer Questions 12 and 21	
4	(6) Read Chapter 6 – Answer Questions 8, 14, 18, and 26, (7) Read Chapter 7- Answer Questions 4 and 18	
5	(8) Read Chapter 8 – Answer Questions 2, 12, and 18. Read Appendix 8.2 (9) Read Chapter 9- Answer Questions 2, 6, 10, 14, 16, and 24. Read Appendix 9.2	
6	(10) Read Chapter 10 – Answer Questions 1, 10, 14, and 32. Read Appendix 10.2 (11) Read Chapter 11-Answer Questions 6, 13, 24. Read Appendix 11.2 Review Chapters 1-11	
NOTE	No class on October 13 th Fall Break	
7	EXAM Chapters 1-11	EXAM 1
8	(12) Read Chapter 12 – Answers Questions 2 and 12 Read Appendix 12.2 () Read Chapter 13- Read Appendix 13.2 (13) Read Chapter 14-Answer Questions 1(a and b), 6(a and b), 42. Read Appendix 14.4	

9	(14) Read Chapter 15-Answer Questions 12 and 24; Read Appendix 15.3 (15) Read Pages 720-725 (16) Read Chapter 17-Answer Questions 1a	
10	(16) Read Chapter 18. Read and complete Appendix 18.2. Read Pages 713, 778, and 796-798 carefully. Answer questions 1, 4, 17 and 22.	
11	(17) Read Chapter 20-Answer Questions 4, 6, 22; SPC overview (18) Read Chapter 21. Read carefully 882-887; 893-898. Answer question 8.	
12	Review Chapters 12-21	
13	Exam Chapters 12-21	EXAM 2

Method of Grading:

Grades are EARNED by the student, not given by the professor. Grades are based on student performance. Grades are calculated in terms of the content and quality of the student's academic performance and participation.

Grading:

- A = 96%-100%
- A- = 91%-95%
- B+ = 88%-90%
- B = 83%-87%
- B- = 80%-82%
- C+ = 77%-79%
- C = 73%-76%
- C- = 70%-72%
- D+ = 67%-69%
- D = 63%-66%
- D- = 60%-62%
- F = 59% and below

Cheating or Plagiarism is not acceptable. Penalties based on the situation and the rules and regulations of the university will be imposed.