

**University of Indianapolis
School of Business
Course Syllabus**

Course Information

Course Number and Title

**MBA 507
Statistics**

**Session and Year
Section(s)**

Fall 2009
50

Instructor

Dr. Darrell Cousert

Day Phone

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Email

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Office Hours

M 3:00-5:00 p.m., T 2:00-4:30 p.m., R 8:00-9:30 a.m., and other times by appointment

Textbook

The Practice of Business Statistics: Using Data for Decisions, Second Edition, by Moore, McCabe, Duckworth, and Alwan **Students MUST Purchase the Access Card for StatsPortal.** The electronic version of the textbook is accessed through StatsPortal. StatsPortal is also required to access the homework data sets. Students are not required to purchase a print (hard copy) of the textbook.

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 (720 Points)
- (2) Quizzes (420 Points)
- (3) Exam 1 (100 Points)
- (4) Exam 2 (100 Points)
- (5) Class Participation (50 Points)
- (6) Group Paper and Presentation (75 Points)
- (7) Two Research/Statistics Article Analysis (25 Points each)

Reading: It is required 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 and Check-up Quizzes are due at the beginning of class on the assigned date and time. StatPortal locks a student into submission prior to the due date and time. You will not be able to submit assignments or take the Check-up Quiz after the due date and time.

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 assignment and possibly the course. When required, show all work on how you derived the answer!

Electronic Submission:

Assignments will be done through StatsPortal. The Chapter Homework assignments will be done through StatsPortal. Quizzes will be completed through StatsPortal. Responses to a few assignments will need to be submitted as a WORD or EXCEL document through Digital Dropbox in Blackboard. When necessary work on how the answers were derived needs to be shown on your document!!!

Tentative Course Schedule*:

| DATE | READINGS & ASSIGNMENTS | <i>TESTS & EVALUATIONS</i> |
|-------------|--|--|
| Session 1 | Introduction of Class Members. Discussion of Class Content, Introduction of Group Project, CrunchIt! and EXCEL. | |
| 2 | (1) Read Chapter 1; Including “Getting started with Excel” and Excel captions in Chapter 1 Appendix. -- Answer Chapter 1 Homework Questions and -- Complete Chapter 1 Quiz. (2) Read Chapter 2 -- Answer Homework Questions -- Complete Chapter 2 Quiz | Chapter 1 Quiz Chapter 2 Quiz |
| 3 | (3) Read Chapter 3; Including Chapter 3 Appendix on Simple Random Sample using Excel -- Answer Homework Questions -- Complete Chapter 3 Quiz (4) Read Chapter 4 -- Answer Homework Questions -- Complete Chapter 4 Quiz (5) Read Chapter 5; Including Appendix -- Answer Homework Questions -- Complete Chapter 5 Quiz | Chapter 3 Quiz Chapter 4 Quiz Chapter 5 Quiz |
| 4 | (6) Read Chapter 6; Including Appendix -- Answer Homework Questions -- Complete Chapter 6 Quiz (7) Read Chapter 7; Including Appendix -- Answer Questions -- Complete Chapter 7 Quiz | Chapter 6 Quiz Chapter 7 Quiz |

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| 5 | (8) Read Chapter 8; Including Appendix -- Answer Homework Questions -- Complete Chapter 8 Quiz -- Group Work | Chapter 8 Quiz |
| 6 | Review for Exam (9) Read Chapter 9; Including Appendix -- Answer Homework Questions -- Complete Chapter 9 Quiz | Chapter 9 Quiz |
| 7 | EXAM (Chapters 1-8) | EXAM 1 |
| 8 | (10) Read Chapter 10; Including Appendix -- Answer Homework Questions -- Complete Chapter 11 Quiz (11) Read Chapter 11; Including Appendix -- Answer Homework Questions -- Complete Chapter 11 Quiz | Chapter 10 Quiz Chapter 11 Quiz |
| 9 | (12) Read Chapter 12 -- Answer Homework Questions -- Complete Chapter 12 Quiz (13) Read Chapter 13; Including Appendix -- Answer Homework Questions -- Complete Chapter 13 Quiz | Chapter 12 Quiz Chapter 13 Quiz |
| 10 | (14) Read Chapter 14; Including Appendix -- Answer Homework Questions -- Complete Chapter 14 Quiz Other Topics with assignments (To be identified prior to this point.) | Chapter 14 Quiz |
| 11 | Review Group Presentations | |
| 12 | Group Presentations | |
| 13 | EXAM 2 (Chapters 9-14 and other material. | EXAM 2 |

*** The schedule of course activities is a tentative schedule and will be modified throughout the semester.**

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 |

Academic Dishonesty and Plagiarism

You must not adopt or reproduce ideas, words, or statements of another person without giving an appropriate acknowledgement to the source. You must give due credit to the originality of others and acknowledge indebtedness wherever you:

- Quotes another person's actual words, either oral or written;
- Paraphrases another person's words, either oral or written;
- Uses another person's ideas, opinions, or theories; or
- Cites facts, statistics, or other illustrative material, unless the information is common knowledge.

All assignments must be your original work and not the work of other students. Neither group work nor the individual work of another student may be submitted by you. Submission of such work will be considered academic misconduct.

No electronic equipment of any kind is permitted to be used during a test.

Incidents of academic dishonesty and/or plagiarism will be handled as per the Student Handbook.

Exams

- The quizzes and exams are designed to evaluate the student's comprehension of material rather than just memorization. Questions may include multiple choice, true/false, or fill-in-the-blank. On exams, you will be responsible for all of the assigned readings.
- If you miss an assignment, quiz, or examination without prior notice, you must email me and provide your reason why you missed the assignment, quiz, or exam. It will be solely at my discretion whether you are may make-up the work. A penalty of loss of points may be administered.