

ECON 260
Statistics for Business and Economics
Dominican University Summer1 2016-2017
Lawrence Morgan

- Instructor:** Lawrence Morgan
Office: Lewis 3A
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E-mail: lmorgan@dom.edu
Office Hours: Case by case
- Meeting times:** MW 08:30 – 12:15
Classroom: Parmer 004
- Prerequisites:** Competence in algebra. CIS 120 (Introduction to Computer Applications)
(or recommended) or equivalent.
- Text:** *Essentials of Modern Business Statistics with Microsoft® Office Excel*, 6th edition. David R. Anderson, Dennis J. Sweeney, Thomas A. Williams. ISBN 978-1-28586704-5 (There's more recent edition; also earlier editions are acceptable)
- Other materials:** Calculator (not merely a smart phone).
Notebook: Usually lecture notes will be distributed before class via Canvas; print these and bring them to class, fill them in during class. Often worksheets will also be distributed for in-class practice. Keep all these materials in a ring-binder in chronological order.

Course description:

This course examines statistical procedures used to solve problems in business, management, and economic analysis. Topics include: descriptive statistics, probability and probability distributions, confidence intervals, hypothesis testing, and linear and multiple regression.

The course will take place in a computer classroom. Students will use the computers extensively to practice the manipulation of data, make calculations, and construct presentations.

Since the class meets only once per week, students will have to read the text in advance of class meetings and prepare the material. I hope to use the meetings primarily to practice the skills laid out in the objectives; there will be some lecture and presentation of concepts, but the limited classroom time can be better used in practice and clarifying concepts.

Course objectives/Expected learning outcomes:

Upon completion of the course students will be able to:
Develop graphical and numerical depictions of business/economic data (histograms, scatter diagrams, etc.)
Interpret the same graphical and numerical representations of data.
Calculate and interpret measures of central tendency and standard deviation.
Develop and analyze probability distributions (normal, binomial).
Apply confidence intervals and hypothesis tests to make decisions about population characteristics based on sampling.

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Perform regression analysis using statistical software and properly interpret regression results.
Accurately and creatively present quantitative information.
Confidently use Microsoft ® Excel to manage data sets.

Assessment of student learning:

Graded homework assignments once per chapter of the text (roughly once per week).
Assignments submitted late without adequate reason (e.g. illness) will be reduced in score.

Practice exercises, not for grading, virtually every day.

Tests and quizzes will use the same type of problems and deal with the same skills and concepts as homework assignments. If students do the homework correctly they will have no difficulty with tests and examinations. The final graded assignment will be a "project" – an extensive problem in multiple regression analysis.

There will be a final exam, no midterm exam.

Grading policy:

A	≥ 93.0	C	73.0 – 76.9999999
A-	90.0 – 92.9999999	C-	70.0 – 72.9999999
B+	87.0 – 89.9999999	D+	67.0 – 69.9999999
B	83.0 – 86.9999999	D	63.0 – 66.9999999
B-	80.0 – 82.9999999	D-	60.0 – 62.9999999
C+	77.0 – 79.9999999	F	< 60.0

Weighting in final grade:	Graded Assignments:	65%
	Final Exam	25%
	Attendance/Participation:	10%

Make-up policy:

Make up quizzes will be given for reasons in accordance with University policy, after presentation of appropriate documents verifying the reason for missing the quiz or exam. I may request that you work through the Dean of Students office or the Wellness Center in cases of illness, extended absence, or other unusual events. Under similar conditions homework assignments will be accepted one session late for half credit; zero credit after that. If you know you are going to miss a quiz or other graded exercise, please contact me IN ADVANCE to make arrangements.

Academic Integrity:

All students should be familiar with the University's policy on academic integrity:
http://bulletin.dom.edu/content.php?catoid=4&navoid=669#academic_integrity_policy
All academic integrity concerns will be taken very seriously and handled in accordance with University policy. This includes any form of cheating on quizzes or exams as well as all forms of plagiarism.

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Student Accommodations:

It is university policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities are encouraged to contact the Disability Support Services office at 708-524-6822 to discuss their individual needs for accommodation. All information regarding disabilities is confidential.

Additional Notes:

The course syllabus provides a general plan for the course; deviations may be necessary. It is your responsibility to stay apprised of changes in assignments, due dates, material to be covered, etc.