BAN 210 ON: Decision Science Summer 2021

(Formerly BAN 320)

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Course Dates: May 10 – August 14 (this is a Saturday)
Course Times: online
Location: Moodle online

Course Description

Vast amounts of data are collected in today's global business environment. The most successful managers are those that can put this information to work effectively to guide their decision process. This course prepares student to describe, gather, and analyze business data and to use statistical and management science tools to make effective business decisions in operations, finance, marketing, management, and staffing.

Course Objectives

Upon successful completion of this course, the student should be able to:
1. Understand the emerging role of business analytics in organizations

2. Use Microsoft Excel and other tools to manipulate data and develop simple spreadsheet models

3. Effectively use and interpret analytical models and results for making business decisions

Refer to the course schedule for the assigned reading for each week. Even if we do not discuss an assigned reading in class, you should be prepared to answer questions about the content on an exam.

Textbook Information

Business Analytics

by James R. Evans, Pearson/Prentice Hall Publishers (3rd edition) with mystatlab.

Homework will be done via mystatlab, you can buy the book and mystatlab online

Email/Communication Policy

Please email me with questions or concerns; I am also available via text. Please leave your full name with either communication and the course you are in this semester.

Online Course

All online courses in the School of Professional Studies are fully online and require the use of Moodle. Weekly readings, activities, and assignments will be listed in Moodle. If you have any problems accessing Moodle please contact Dr. Lori McClaren, Director of Online Learning at 919-508-2367.]

Homework/Late Assignments

HOMEWORK. All homework must be typed and submitted via Moodle on Sunday night for each week. Please check the course outline for specific dates. Late **assignments will not be accepted**. The date/time stamp of the email will determine whether the assignment was received on time, so make sure you plan for difficulties with email.

Proctoring Policy

All online courses at William Peace University require two (2) proctored exams or activities. Any student who fails BOTH proctored exams/activities will receive an automatic failing grade in the course, regardless of any other grades received. For more information on proctoring options, please see: http://www.peace.edu/files/wmpeace/proctoring-options.pdf .

This class will have two seated exams in class.

Plagiarism policy (from student handbook):

Plagiarism is theft; it is the *deliberate or accidental* use of a source's words, interpretation, or information *without properly quoting or paraphrasing and acknowledging that use*.

In both the professional world and the academic world, plagiarism is punished. In the professional world, charges of plagiarism, when proven, carry potentially enormous financial penalties. In the academic world, universities and colleges punish plagiarism with varying degrees of severity, with the penalties ranging all the way from expulsion from the school, to automatic 'F' in the course, down to automatic 'F' on the project or paper.

There are only two ways to avoid plagiarism:

1. **Quote and Citation**: Use the source's *exact* words, place quotation marks at the beginning and end of them and insert a citation immediately at the end of the quotation according to the standards of the discipline.

2. **Paraphrase and Citation**: Transform (paraphrase) the source's words and information _entirely_ into your own style of writing and insert a citation at the end of this paraphrase. If what you write still echoes the source's _words and style_, you have plagiarized. If you fail to insert a citation, you have plagiarized.

Honor Code

All students in this class will be held to the William Peace University Honor code. The William Peace University Honor code is as follows:

> _On my honor as a William Peace University student, I will not lie, cheat, or steal; nor will I condone the actions of those who do._

Disability or Learning Services

Disability Services are available for students who require reasonable accommodations due to any cognitive, physical, or psychological disability, in order to provide equal access to the educational environment. Students will need to be registered with the office and provide appropriate documentation, in accordance with local, state, and federal laws, in order to receive an Academic Accommodation Plan. For more information or to register, contact Nicole Davis, Director of Counseling and Disability Services at (919) 508-2163 or Nicole.Davis@peace.edu. The Disability Services office is located on the 2nd Floor of Joyner House.

Incompletes

An Incomplete is appropriate for a student that has been making steady, successful progress in a course and has an unexpected, verifiable mitigating circumstance at the end of the semester which precludes them from completing the last assignment or exam. Poor time management is not an appropriate reason to request an Incomplete. All incomplete grade requests must be approved first by the Instructor, and then by the Director of Online Programs. If the Incomplete is approved the student will have up to six additional weeks to complete the work, as determined by the Instructor. If the student does not complete the final work, the Instructor will assign the appropriate letter grade for work completed or the grade will revert to an "F."

Attendance and Participation

Attendance and Participation are required. This is measured by your completion of all assignments in a timely fashion and attendance in class. All assignments are posted on Sundays and will be due the following Sunday by 11:59 pm, plan your time accordingly. This is an online class, your active participation is required You will be assigned groups and you will work with

this team throughout the course, along with required individual assignments. You may choose to meet each other seated or virtually

Tests and Assignments

You will have one week to complete all assignments. If you will miss work, you must contact the instructor prior to the end of the week and a decision will be made about late completion. Typically, 15 points is taken off the grade; however, it is at the instructor's discretion to offer grace in the event of an emergency. Group work, discussion boards, and assignments are designed to be instrumental in understanding concepts and how to best apply them. Please submit them on time to avoid having points reduced due to lateness.

Grade scale for all graded materials:

A: 100-90
B: 89-80
C: 79-70
D: 69-60
F: 59-0

Percentage of Total Grade:

Assignments	Percentage
Weekly Assignments, Quizzes and Forums	50
Exams (4 exams)	**Percentage**
Exam 1	10
Exam 2	10
Exam 3	10
Exam 4 (cumulative final)	20

Weekly Activities/Assignments

Each week there will be required assignments. These will include assignments and quizzes, please check the course outline for requirements.

Weekly Activities/Assignments Table for

BAN 320 Online

Week	Chapters	Assignments
Week 1: 5/10 – 5/16	Chapters 1 Introduction to Business Analytics	Chapter 1 Quiz and homework Welcome Forum
Week 2: 5/17 – 5/23	Chapter 2- Analytics on a Spreadsheet	Chapter 2 Mystatlab Chapter 2 Quiz
Week 3: 5/24 – 5/30	Chapter 3 Visualizing and Exploring Data	Chapter 3 exercises -Mystatlab Chapter 3 Quiz
Week 4: 5/31 – 6/6	Exam 1 Chapters 1 -3	Online you may use a 4 by 6 notecard
Week 5: 6/7 – 6/13	Chapter 4 Descriptive Statistics	Chapter 4 exercises Mystatlab Chapter 4 Quiz
Week 6: 6/14 – 6/20	Chapter 5 Probability	Chapter 5 exercises-MystatLab Chapter 5Quiz
Week 7: 6/21 – 6/27	Exam2 Chapter 4 and 5	Exam
Week 8: 6/28 – 7/5 There is only one chapter, plan accordingly as this is July 4 assignments will not be due until July 5	Chapter 6 Distributions and Data Modeling	Chapter 6 MystatLab Chapter 6 Quiz
Week 9: 7/5 – 7/11	Chapter 7 Statistical Inference	Chapter 7 MyStatLab Chapter 7Quiz
Week 10: 7/12 – 7/18	Chapter 8 Estimation	Chapter 8 MyStatLab Chapter 8 Quiz
Week 11: 7/19 – 7/25	Exam 3 Chapter 6 - 8	Exam 3 You may use a 4 by 6 notecard
Week 12: 7/26 – 8/1	Chapter 9 -Forecasting	Chapter 9 Mystatlab Chapter 9 Quiz
Week 13: 8/2 – 8/8	Chapter 10-Introduction to Data Mining	Chapter 10 Mystatlab Chapter 10 Quiz
Week 14: 8/9 -8/14	Final Exam	Cumulative final online C 1- 10 Proctored and all MC May use one notecard with information