BA 275 – BUSINESS QUANTITATIVE METHODS
Tuesday & Thursday
Albany Campus (RCH 202) 1:00 – 2:50
Fall Quarter 2019, Starts 01-Oct
CRN 20359

Paul Hibbard
Office: MKH-115 (Albany)
Email: hibbarp@linnbenton.edu
Phone: (541) 917-4262
Office Hours: T & Th (11:00 A.M. – 1:00 P.M.)

Text & Required Resources:

1. Basic Statistics, 2nd ed. 2015, Donnelly, Pearson (ebook and resources are obtained automatically when registering for this course and accessed via Moodle.)
2. Calculator (single-use device).

Prerequisite: MTH 111 or MTH 241

Purpose of Course:

Upon successful completion of the course, the student will be competent in the use of basic statistical applications in gathering and analyzing data, constructing and conducting research experiments, and appropriate model selection in solving business problems.

Course Outcomes:

1. Understand the meaning and use of statistical terms used in business statistics.
2. Collect, Organize, summarize, interpret, and present data in tables and charts.
3. Understand and apply descriptive statistical measures to business situations.
4. Understand and apply probability distributions to model different types of business processes.
5. Understand and apply statistical inference techniques (including statistical estimation and hypothesis testing) in business situations.
6. Understand and apply simple linear regression analysis to business situations.

Grading:

Final course grades will be determined based on the following point system:

Item	Points		Grade (%)	Equivalent Points	Indicates
Homework	100		A (90-100%)	360 and up	Excellent Work
Class Quizzes	100		B (80-89%)	320 to 359	Above Average Work
Midterm	100		C (70-79%)	280 to 319	Average Work
Final Exam	100		D (60-69%)	240 to 279	Below Average Work
Totals	**400**		F (below 60%)	Less than 240	

Exams:

There will be two exams given during the term. All exams must be taken on the date scheduled unless prior arrangements have been made. Late exams will not be given.

Quizzes:
You will be assigned a short quiz in class each day. There is no make-up for these in class quizzes after class. If you know you will be absent, you can make up your quiz prior to class.

Online Assignments:
Registered students in this course automatically have access to the online resources via Moodle. You do not need an additional access code or login I.D. Due dates for these activities are posted in the outline on page 3 and 4 of this syllabus. Late online work is not accepted.

Request for Special Needs or Accommodations
Direct questions about or requests for special needs or accommodations to the LBCC Disability Coordinator, RCH-105, 6500 Pacific Blvd. SW, Albany, Oregon 97321, Phone (541) 917-4789 or via Oregon Telecommunications Relay TTD at (800) 735-2900 or (800) 735-1232. Make sign language interpreting or real-time transcribing requests 2-4 weeks in advance. Make all other requests at least 72 hours prior to the event. LBCC will make every effort to honor requests. LBCC is an equal opportunity educator and employer.

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LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender, gender identity, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our Board Policies and Administrative Rules. Title II, IX, & Section 504: Scott Rolen, CC-108, (541) 917-4425; Lynne Cox, T-107B, (541) 917-4806, LBCC, Albany, Oregon. To report: linnbenton-advocate.symplicity.com/public_report Discrimination/Harassment Complaints If you feel you have been discriminated against in any interaction at Linn-Benton Community College, or have been harassed by another person while at LBCC, or wish to report any concern or complaint, please use this form: Report Concerns / Complaints Form

If you withdraw from class:
Remember! Students who are unable to successfully complete the course should withdraw, by submitting the proper paperwork, no later than the Monday of the second (2ⁿᵈ) week of class.

Syllabus
This syllabus and outline are a guide, not a contract. They will change during the term as I attempt to provide the most compelling and useful learning experience possible. If things do not make sense, please talk with me. As changes are made, I will announce them in class. You should check the syllabus at least once a week for course updates. Not reading the syllabus does not constitute a valid excuse for missing a milestone.

How to be successful in this class:
- Read your assigned chapters before you come to class! Make (lots of) notes while reading.
- Come to class. In class take lots of notes!!
- Work out these notes after class!!! (don't wait too long). Mark the things you do not quite comprehend and if you cannot figure them out (try!!), go see your instructor.

Please turn off cell phones during class!

Outline by Date – Tentative

Date	Day	Lecture Topic	Graded Homework
10/1	T	Chapter 1: An Introduction to Business Statistics	Online Assignment: Due 10/2/19
10/3	Th	Chapter 2: Displaying Descriptive Statistics	Online Assignments: Due 10/7/19
10/8	T	Chapter 3: Calculating Descriptive Statistics	Online Assignments: Due 10/9/19
10/10	Th	Chapter 6: Continuous Probability Distributions	Online Assignments: Due 10/14/19
10/15	T	Chapter 7: Sampling and Sampling Distributions	Online Assignments: Due 10/16/19
10/17	Th	Chapter 8: Confidence Intervals	Online Assignments: Due 10/23/19
10/22	T	Chapter 8: Confidence Intervals (continued)	
10/24	Th	Chapter 9: Hypothesis Testing for a Single Population	Online Assignments: Due 10/30/19
10/29	T	Chapter 9: Hypothesis Testing for a Single Population (continued)	
10/31	**Th**	**Midterm Exam**	
11/5	T	Chapter 10: Hypothesis Testing Comparing Two Samples	Online Assignments: Due 11/11/19
11/7	Th	Chapter 10: Hypothesis Testing Comparing Two Samples (continued)	

11/12	T	Chapter 11: Analysis of Variance (ANOVA)	Online Assignments: Due 11/13/19
11/14	Th	Chapter 12: Chi-Square Tests	Online Assignments: Due 11/18/19
11/19	T	Chapter 13: Hypothesis Tests for the Population Variance	Online Assignments: Due 11/20/19
11/21	Th	Chapter 14: Correlation and Simple Linear Regression	Online Assignments: Due 12/1/19
11/26	T	Chapter 14: Correlation and Simple Linear Regression	
12/3	T	Review for Final Exam	
12/5	Th	Review for Final Exam	
12/10	Tues	**Final Exam** **2:30 – 4:20**	