BA 275 – BUSINESS QUANTITATIVE METHODS
Monday and Wednesday 10:30 A.M. – 12:20 P.M.
BC-204, Corvallis
Winter Quarter 2017, Starts 09-Jan
CRN 33212

Paul Hibbard
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Phone: (541) 917-4262
Office Hours: T & Th (10:00 – 11:00 A.M. & 2:00 – 3:00 P.M.) and Fri (By appointment)

Text & Required Resources:
1. Basic Statistics, 2nd ed. 2015, Donnelly, Pearson
2. Calculator (single-use device).

Prerequisite: MTH 241 and MTH 245, or higher

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:
Online assignments (which include both homework and quizzes) are completed through the Pearson MyLab portal. See Moodle for specific registration instructions. To gain access to this site, purchase the online access code (sold at our bookstore) and use the following course ID: hibbard59763. Late online work is not accepted.

Veterans:
Veterans and active duty military personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, the instructor.

Disability Services:
Students who may need accommodations due to documented disabilities, who have medical information which the instructor should know, or who need special arrangements in an emergency, should speak with the instructor during the first week of class. If you have not accessed services and think you may need them, please contact Disability Services, (541) 917-4789.

Academic Integrity:
Students are expected to follow College policies regarding academic integrity as articulated in the Students Rights and Responsibilities Handbook [http:www.linnbenton.edu/studentrights/standards.html]. You will receive an F in the course if you are found to be involved in academic dishonesty (cheating, plagiarism, etc.).

LBCC Comprehensive Statement of Nondiscrimination
LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. (for further information:
 http://po.linnbenton.edu/BPsandARs/1015%20- %20Nondiscrimination%20Policy.pdf)

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
1/9	M	Chapter 1: An Introduction to Business Statistics Chapter 2: Displaying Descriptive Statistics	Online Assignments: Due 1/17/17
1/11	W	Chapter 3: Calculating Descriptive Statistics	Online Assignments: Due 1/17/17
1/18	W	Chapter 4: Introduction to Probabilities	Online Assignments: Due 1/22/17
1/23	M	Chapter 6: Continuous Probability Distributions	Online Assignments: Due 1/24/17
1/25	W	Chapter 7: Sampling and Sampling Distributions	Online Assignments: Due 1/29/17
1/30	M	Chapter 8: Confidence Intervals	Online Assignments: Due 2/05/17
2/1	W	Chapter 8: Confidence Intervals (continued)	
2/6	M	Chapter 9: Hypothesis Testing for a Single Population	Online Assignments: Due 2/12/17
2/8	W	Chapter 9: Hypothesis Testing for a Single Population (continued)	
2/13	**M**	**Midterm Exam**	
2/15	W	Chapter 10: Hypothesis Testing Comparing Two Samples	Online Assignments: Due 2/26/17
2/22	W	Chapter 10: Hypothesis Testing Comparing Two Samples (continued)	

2/27	M	Chapter 11: Analysis of Variance (ANOVA)	Online Assignments: Due 2/28/17
3/1	W	Chapter 12: Chi-Square Tests	Online Assignments: Due 3/05/17
3/6	M	Chapter 13: Hypothesis Tests for the Population Variance	Online Assignments: Due 3/07/17
3/8	W	Chapter 14: Correlation and Simple Linear Regression	Online Assignments: Due 3/14/17
3/13	M	Chapter 14: Correlation and Simple Linear Regression (continued)	
3/15	W	Review Day for Final Exam	
3/22	**W**	**Final Exam – 8:00 – 9:50 A.M. on Wednesday, March 22, 2017**	