# BA 275 – BUSINESS QUANTITATIVE METHODS

# Online

# Spring Quarter 2020

# CRN# 43805

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Office Hours: T & Th (2:30 – 3:30 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) 3. Microsoft Office 365 (link posted on Moodle).

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:

|  |  |  |  |
| --- | --- | --- | --- |
| Assignment | Quantity | Points | Percentage of Total Grade |
| Homework | 12 | 720 | 20% |
| Quizzes | 9 | 900 | 20% |
| Midterm | 1 | 100 | 30% |
| Final | 1 | 100 | 30% |
| Total |  |  | 100% |

Grade scale

A (90-100%)

B (80-89%)

C (70-79%)

D (60-69%)

F (below 60%)

## Exams:

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

## Quizzes:

Quizzes are assigned on MyStatsLab and due Sunday night at 11:59pm.

## 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 the homework is posted on MyStatsLab, usually Sunday night at 11:59pm. Late online work is not accepted.

## Request for Special Needs or Accommodations:

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the CFAR Website for steps on how to apply for services or call (541) 9174789.

## LBCC Comprehensive Statement of Nondiscrimination:

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, T107B, (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.

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## How to be successful in this class:

* Read your assigned chapters! Make (lots of) notes while reading.
* View the videos posted on Moodle and take notes or work the problem with me.
* Email or attend Zoom chats for assistance.