MTH 241: Business Calculus

Class time: Tuesday Thursday 10:30-12:30

Location: Benton Center Room 234

Instructor: Ally Stacey

Office: Benton Center Room 101

e-mail: staceya@linnbenton.edu

Office Hours: TR: 12:30-1 (right after class) and by appointment in BC 101

Texts: <http://www.opentextbookstore.com/buscalc/BusCalc.pdf>

And we will use MyOpenMath <https://www.myopenmath.com>

Calculator: Graphing calculators are allowed. Your phone can be used as well (and there are some apps that function as graphing calculators on your phone). Tests will not require a calculator, but one that is not your phone will be allowed. Calculators for tests can be provided if you would like one.

Topics: Differential and Integral Calculus with applications to business and biology

Prerequisites: MTH 111 or equivalent.

## Grading:

Part A 10%

Part B 20%

Part C 30%

Midterm 20%

Final 20%

The course grades will not be stricter than: A-/A 90-100%, B-/B/B+ 80-89%, C-/C/C+ 70-79%

D-/D/D+ 60-69%, and F 59% and under. Grades will be posted on Moodle.

Class time structure: You will be reading from the book outside of class and attempting the MyOpenMath exercises on your own after reading. During class I will answer some of your questions from Part A then we will work in groups on problems from the textbook. You will be expected to write some answers on individual white boards in the classroom at my discretion. In class I will assign Part C due the following class period and you may begin Part C during class when the worksheets are completed.

Part A: Read the chapter in the book and answer 2 reading comprehension questions as a quiz in Moodle. Additionally, write down questions you have from the reading and note the things you didn’t understand. (This will be an open question at the end of the Moodle quiz). I will give a short lecture on the questions you have at the beginning of the class the day part A is due. The reading questions will be graded 0 for nothing 1 for something and 2 for correct answers. These are due by 8pm Monday and Wednesday before class and will be submitted via Moodle. The early due date is to ensure you read before you do part B.

Part B: MyOpenMath. I will make short MyOpenMath assignments (about 5 questions) that are due as Part B. You will work on similar questions from the textbook in groups during the second half of class the day Part B is due. These will be graded on completion, so please just attempt each question and do not spend too much time on it.

Go to www.myopenmath.com and click on “Register as a New Student”.

Enter a user name and password of your choice, write it down.

Enter your first, last names, and your mostly used e-mail address (can be your private address)

Enter the Course ID and the Enrollment Key

Course ID: TBA

Enrollment Key: TBA

Part C: 1-2 written homework questions. These will be graded on accuracy.

Latework: 2 each of Parts A, B, and C will be dropped. Assignments will be accepted up to 1 week late for full credit, but if you do Part A late you will not get a say in lecture so it is highly recommended to keep up. Further latework is flexible if you communicate with me.

Test Dates: Tests will be done in class.

Midterm: Thursday October 31st during class (Halloween Candy will be provided.)

Final: TBA

The Midterm and Final are closed book.

You are allowed both sides of a 3x5inch notecard for both the midterm and the final. (You may also use a quarter sheet of paper instead of a 3x5 notecard.) Calculators are allowed but will not be necessary on exams. Phones are not allowed on exams.

The final will not be cumulative. It will cover material after the midterm.

Tests will be based on Part C and so no review will be given. Please keep your returned Part C homeworks to study for the exams.

Upon completion of the course, you will be able to:

* Identify average and instantaneous rates of change in business and biology applications.
* Connect graphical, numerical, and symbolic interpretations of the difference quotient and the
* derivative.
* Apply differential calculus techniques to describe the behavior of business/biological functions.
* Apply techniques of integral calculus to determine net changes in business and biological
* applications such as marginal analysis, velocity, and growth.

Math help: Learning Annex BC-232 [insert hours of operation]

## Other notes:

Accessibility

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) 917-4789.

Basic Needs

Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact the Roadrunner Resource Center for support (resources@linnbenton.edu , or visit us on the web www.linnbenton.edu/RRC under Student Support for Current Students). Our office can help students get connected to resources to help. Furthermore, please notify the professor if you are comfortable in doing so. This will enable them to provide any resources that they may possess.

Academic Dishonesty

I assume that you are ethical and honest. However, if there is an incident of academic dishonesty (cheating), you will receive a score of zero for that test/assignment and the incident will be reported to the college administration for possible further disciplinary action. If there is a second offense, you will receive a grade of F for the course and the incident will be reported to the college administration issuing disciplinary action.

Diversity

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 please visit <http://po.linnbenton.edu/BPsandARs>)

Inclusion

The LBCC community is enriched by diversity. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill. I actively support this right regardless of race, creed, color, personal opinion, gender, sexual orientation, or any of the countless other ways in which we are diverse. (Related to Board Policy #1015.)