

# Math 241

## Spring 2020

**Instructor:** Hollis Duncan

**Office:** Zoom/email

**Office hours:** Online

**e-mail:** duncanh@linnbenton.edu

**Required materials:**

- Internet connection

**Course Description:**

Introduces calculus as applied to business, the social sciences and life sciences. It uses an intuitive development of the calculus of polynomial, exponential and logarithmic functions, extrema theory and applications.

**Upon completion of Mth 241 – Calculus for Biological/Management/Social Sciences students will be able to:**

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

**Grading:** Your grade will be approximately based on the following:

Online Homework	30pts
Online Quizzes	20pts
Written Homework/Projects	20pts
Three Tests @ 10	30pts

Scale:

- A: 90-100pts
- B: 80-89pts
- C: 70-79pts
- D: 60-69pts
- F: Below 60pts

**No “Y” or “WP” will be given in this class.**

**Homework assignments/Quizzes:**

Homework is online in MyOpenMath. Homework and quizzes will both take place in MyOpenMath.

**Written Assignments/Projects:**

I will have assignments and small projects throughout the term that I will have you work on and submit. These will require you to work and solve problems, sometimes with other students. I will also be posting questions in the Forum section of MyOpenMath that we be counted as participation in this category.

**Tests:**

All exams will cover material covered in class and in homework. Tests will be announced about a week in advance. Test may be in part on the MyOpenMath online platform.

**To be successful:**

- Work on math every day it doesn't need to be hours at a time.
- Know how to contact me via email and Zoom.
- Work in **groups** outside of class I can help set up study groups where you can get together with facetime google hangouts and other online platforms.
- When you or your group are struggling with a problem ask people at the math help desk found here: [Math Help Desk](#)
- Ask for help!

**Academic Honesty:** 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 with a recommendation for disciplinary action.

**Special Circumstances:** 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.

**Nondiscrimination Statement:**

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. To report: [linnbenton-advocate.symplicity.com/public-report](http://linnbenton-advocate.symplicity.com/public-report).