

MTH 252 Integral Calculus

Fall 2021

Instructor: Hollis Duncan

Office: WHO-109

Office hours: After class and by appointment

e-mail: duncanh@linnbenton.edu

Required materials:

- CALCULUS: EARLY TRANSCENDENTALS 4TH ED,
- Access to online homework MacMillan [Achieve](#) course id: m85czg
- Laptop/tablet for use in class

Course Description:

The second course in the calculus sequence for students majoring in mathematics, science and engineering. Topics include techniques of integration, numerical integration, improper integrals, applications of integration, and an introduction to differential equations. Prerequisite: MTH 251 Differential Calculus.

Upon completion of the course, the student will be able to

1. Calculate, interpret and communicate the concept of the integral.
2. Integrate a variety of functions using multiple techniques.
3. Recognize when and how to apply calculus tools to solve problems in business, the sciences and engineering.

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

Online Assignments through Achieve	20pts
Quizzes/APAs	20pts
Project	10pts
Exam	25pts
Final	25pts

Scale:

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

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

Homework:

Online Homework will be assigned for each section we discuss. If you need an extension on any homework assignment, stay after class and I can make that change for you. Please do not email me concerning hw extensions.

Quizzes/APA's

Quizzes will be announced, make sure that you stay up to date with all homework assignments and ask questions when you have them.

APA's will be assigned in class. We will go over the APA's in groups however you will turn them in individually on Google Classroom.

Test and Final:

All exams will cover material discussed in class and in homework. I will let you know about a week in advance the actual date of the exam. If you miss an exam you will receive a zero for that exam. For your test and final you may be required to meet with your instructor for an oral exam.

<u>LRC Hours</u>

Attendance:

Attendance is expected if you are not sick. If you cannot make it to the online class you need to contact me. If you are staying home because you are sick you need to let me know asap. We can work together to find a solution for your learning.

Special Circumstances:

Disabilities Services and Emergency Planning - Meet with Instructor Week One. If you have emergency medical information for your instructor, need special arrangements to evacuate campus, or have a documented disability, please meet with your instructor, by appointment, no later than the first week of the term, to discuss your needs. If you have a documented disability that will impact you at college and you seek accommodations, contact the Office of Disability Services (ODS) for intake and to document your disability with LBCC. Then, each term, at least two to three weeks prior to the start of classes, submit your "Request for Accommodations" form to ODS and pickup instructor letters. ODS may be reached from any LBCC campus/center by email to ODS@linnbenton.edu or by calling 917-4789. Letter pickup is available at each LBCC campus/center

To be successful:

- Know my **office hours** and drop in to ask questions or clarify ideas, I can help!
- Work in **groups** outside of class (Discord, Facetime, Hangouts)
- When you or your group are struggling with a problem ask Mike at the “**Math Help Desk**” in the LC
- Get a **free tutor** from the tutorial services area in the **LC**

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.

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.