



Winter 2020 Math 252 Integral Calculus

Instructor: Claire Burke

Email: burkec@linnbenton.edu

Phone: 541-917-4753

Benton Center Office: BC 101 **Albany Campus Office:** WOH 130

Student Hours: Benton Center - Fridays at 10:30 am - 11:20am

Albany Campus - Thursdays 12pm-12:50pm, Fridays 2pm - 2:50pm,

You are also welcome to stop by my office anytime my door is open!

If the student hours do not work with your schedule I am also available by appointment.

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.

What will you learn in this class?

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

What do you need for this class?

- Regular access to a computer and the internet.
- [MyMathLab](#) Access – Class Code:
- A calculator that does not have a symbolic manipulator (I recommend a TI-36Xpro or TI-84)

How will your grade be calculated?

Your grade will be determined by completing the different types of assignments detailed on the following page.

Homework

Completing the homework is critical to your success in this class. There will be at least one online homework assignment for each section we complete in class. You may also have class prep assignments that are designed to prepare you for the material covered in class. You must get a MyMathLab account and keep up with assignments online. Your instructor may also assign written homework or class prep assignment that must be turned in on paper.

Homework is expected to be completed on time. Late Homework and Class Prep Assignments will be accepted up until 11:59pm the day prior to the midterm exam covering that assignment with a penalty

of 30% deducted from the problems completed after the due date. Your homework grade will be calculated by taking the average of all homework assignments.

In Class Activities, Projects and Quizzes

There will be various, unannounced in class assignments, projects, or quizzes most days throughout the term. In class activities are due at the beginning of the next class session. There will be no make-ups for missed ICAs or quizzes. Late assignments from this category will not be accepted. Your lowest two scores in this category will be dropped.

Midterm Exams

In this class, we will have two exams during the term and a comprehensive final exam during finals week. All tests will cover concepts/material discussed in class and in homework. Your instructor will let you know about a week in advance the actual date of the test. All tests will be taken in class. If you must miss a test, you are required to contact your instructor ***in advance*** of the testing time. Alternate arrangements may be made in the case of extreme circumstances beyond the students control and will be at the discretion of the instructor. You may also be required to present written proof of your circumstances. If you miss an exam you will receive a zero for that exam, there are no retests or make-up exams.

Cumulative Final Exam

The cumulative final exam will be given in our normal classroom at the time scheduled for our exam by the college. The final exam percentage score replaces any lower midterm exam score up to 80%, if it benefits your grade.

Your overall course grade will be calculated using a weighted average based on the following weights and will be rounded up to the nearest whole percent.

Category	Percent
Homework	20%
In Class Activities, Projects, Quizzes	10%
Two Tests	50%
Final Exam	20%

Letter grades will be assigned based on the scale:

A	90%-100%
B	80%-89%
C	70%-79%
D	60%-69%
F	59% or below

“Y” or “WP” grades will NOT be given

What can you do to be successful in this class?

Attend Class: There is a strong link between good attendance and success in math courses. Attending class is more than just showing up, it is also means that you participate in the class discussions and activities.

Complete your Homework on time: Homework is your opportunity to practice. Your homework for the section we talk about in class should be completed before the following class. Completing your homework on time will help prepare you for the next topic

Get HELP! If you have questions, PLEASE come see me and ask! I have scheduled office hours but you're welcome to come in at other times too. Visit our class in MyMathLab for helpful links, class notes, handouts and other information.

Check out the online notes: My daily class notes will be available through a link to One Note. You will find the link in MyMathLab.

Form a study group: Your classmates are important resources for understanding and completing the homework. Often a fellow student can explain things in a different way than your instructor. You gain a deeper understanding of mathematical concepts when you express them in your own words and explain them to someone else. It is strongly recommended that you study together with other students in small groups.

Use the Learning Center: [The Learning Center and Math Help](#), is in the Benton Center Learning Annex BC-232 and is in WH226 on the Albany campus. This is an excellent place to study and to get help with your homework.

Check out what the Learning Center has to offer:

- There is free wireless available in the Learning Center
- The relaxed atmosphere and table arrangement in the Learning Center provides a great location for study groups to meet and work.
- Instructional assistants are available to answer your math and calculator questions.
- The Learning Center offers free individual and small group tutoring in addition to the help desk. You can get up to three one-on-one tutoring sessions per week. Sign up early because they fill up.

Class Policies

Attendance

Your regular attendance and thoughtful participation in class are essential for your success in learning calculus. If you are unable to attend class, please let your instructor know ahead of time either in person or by email. Students are responsible for any material, updates, or other information covered during class. In addition, students should expect to log into MyMathLab several times each week to check for announcements, study course materials, and complete online homework.

Cell Phone Use

Cell phones should be out of sight and put away in the classroom. If you need to use your phone, quietly leave the classroom.

Special Circumstances or Accommodations

You should meet with your instructor during the first week of class if:

- You have a documented disability and need accommodations.
- Your instructor needs to know medical information about you.
- You need special arrangements in the event of an emergency.

If you have documented your disability, remember that you must make your request for accommodations through the Center for Accessibility Resources (CFAR) [Online Services webpage](#) every term in order to receive accommodations. 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 at 541-917- 4877, or schedule an appointment on the web at www.linnbenton.edu/rrc . Our office can help students get connected to resources to help. Furthermore, please notify the instructor if you are comfortable in doing so. This will enable them to provide any resources that they may possess.

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.

Statement of Inclusion

The LBCC community is enriched by diversity. Each individual has worth and makes contributions to create that diversity at the college. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill. (related to Board Policy #1015)

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.

Course Calendar

See the attached document for a tentative course calendar.