

**Math 252 Integral Calculus MWF Virtual**  
Spring 2022, CRN 40109



**Instructor: Vikki Maurer**

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**Office Hours for Student Help:** Generally Mondays, Wednesdays and Fridays before or after class are great times for office hours. You can ask questions or set up future appointments with me. You can always make an appointment through my online calendar and we can meet over zoom. Link: [calendar appointments available](#). Feel free to send me an email and we can arrange time to zoom.

**Classes:**     **Virtual on Zoom** Mondays and Wednesdays 11:00am to 12:50pm  
                  **Virtual on Zoom** Fridays 11:00am to 11:50am

**Attendance:** Zoom class attendance is required each day with cameras on. **Students who do not turn cameras on will be placed into the Zoom waiting room.**

**Exams:**     **Face-to-face** Monday, April 18, 11:00am to 12:50pm, WOH 113  
                  **Face-to-face** Monday, May 16, 11:00am to 12:50pm, WOH 113  
                  **Face-to-face** Monday, June 6, 10:00am to 11:50am, WOH 113

**Course:** This is the second course in the calculus sequence for students majoring in mathematics, science, and engineering. In this course the student will apply calculus to solve problems from a variety of settings as well as interpret and communicate the concept of the integral. The student will connect the graphical behavior, numerical patterns and symbolic representations of functions, their derivatives and antiderivatives. All students will collaborate to solve calculus problems from a wide variety of applications and learn to integrate a variety of functions using multiple techniques. Technology will be used as well to solve calculus problems. Topics include techniques of integration, numerical integration, improper integrals, applications of integration, and an introduction to differential equations. Prerequisite: Math 251 Differential Calculus with a grade of C or better.

**Required for this Course:**

- Achieve paid access - includes the eBook.
- Attendance with Reliable Internet access, webcam, and microphone
- A Computer/Tablet/Laptop for virtual class days and homework access
- ANY Graphing Calculator (Free App on your phone, Desmos, etc.) You will not use a calculator for exams so you can use any calculator while you complete homework.
- Ability to scan documents, create PDF formats, and turn written assignments in through Moodle. There are free pdf apps and iPhones have scanning capabilities.
- At least 10 hours each week devoted to learning Math 252

**What is a Hybrid Class?:** Our class is officially listed as a hybrid class. This is because we have virtual class days through zoom and face-to-face test days. All exams will be taken from a classroom in a face-to-face setting. Class sessions through zoom will be interactive. You are expected to attend each zoom class session with your **camera on**. **Students who do not turn cameras on will be placed into the Zoom waiting room.** There will be group work where you will be expected to actively discuss problems with your classmates. Group work may be collected at any time for credit.

**Your Time:** Plan to spend a **minimum** of 10 hours per week outside of class reading your text and practicing homework problems. I can present the material, but for you to master the concepts; your brain needs time thinking and working through ideas and problems.

**LBCC Email and Course Communications:** You are responsible for all communications sent via Moodle and sent to your LBCC email account. You are required to use your LBCC provided email account for all email communications. If you email your instructor, you can expect a response within 24 hours. Your instructor expects you to check your email often so that two-way communication can be established.

**Homework and Your Responsibility:** Each week you will have assignments in the course software Achieve. Some assignments will be due on Thursdays. Other homework will be due Sunday. All deadlines will be noted in Moodle, so check our Moodle class regularly. If you have weekend plans that do not include math homework, then finish assignments early, so there is time to get help from your instructor or the math help desk.

**Course Grading Weights:**

- 15% Achieve Weekly Assignments
- 20% NonAchieve In-Class Assignments and Written Assignments
- 5% Integration Proficiency
- 40% Two Midterm Exams (20% each)
- 20% Final Exam

**Course Grades:** Final course grades will follow the standard cut-off A 90%, B 80%, C 70%, D 60% and Below 60% earns an F grade. You must earn at least a C grade in Math 252 in order to move on to higher math classes for which Math 252 is a prerequisite.

**Incomplete Grades:** An incomplete grade may be issued for a student who is earning a grade of C or better, but who has failed to complete one major requirement such as the final exam. Any student seeking an incomplete must discuss this option with the instructor prior to the end of the term.

**Homework and Practice**

Each week you will be given assignments in Achieve. They are a big source of your practice with calculus ideas and techniques. These homework assignments will have fixed due dates listed in Moodle. Learning can be messy. You will make mistakes so it is important to practice what you learned from the lesson. The homework in Achieve allows for multiple attempts right up to the due date with no penalty. Only homework submitted after the due

date will have a penalty. In Achieve you can easily look up additional examples or explanations in the ebook, and many of the problems contain hints or targeted feedback.

Important: Although your answers will be submitted online, be sure to work problems by hand in a notebook (separate from scratch paper). This will give you practice writing out solutions, a place to start when asking for help, and give you a clear record of work to study for exams. When you write things down, you remember more than if you simply watched someone complete a process. Keeping notes from class and homework is an important part of learning. When you come to office hours or get help from a tutor or the math help desk, you should bring a copy of the problem and your notes for your attempt.

### **The goal is to learn**

All the assignments in the course have been chosen to help you learn, practice, and ultimately master the content. While I encourage working with classmates, a tutor, etc., your goal is to make sure you fully understand the material discussed. Any work you turn in must be your personal understanding of integral calculus (not your classmates or the internet). You are personally responsible for any solution (online or written) you turn in and should be able to walk me through your process and understanding verbally if asked. *At the end of the term, I can adjust your grade to better reflect your personal understanding of the course material, if necessary.*

**Missing Class and Late Homework:** If you miss class check Moodle and look at the lecture notes. Homework deadlines are generally not extended but if you need extra time, you must contact your instructor, have a conversation, and together make a plan for late work.

**Tests:** There are two midterm exams that you will take in person and in a classroom on the Albany LBCC campus during our regular class time. You will not use graphing calculators on any exam. The final exam is also face to face. Each exam is an assessment tool and not a learning tool, so exams will be kept by the instructor.

**Face-to-face** Monday, April 18, 11:00am to 12:50pm, WOH 113

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**Group Problems:** We will often work in groups during class to solve calculus problems. These group problems may be collected or work progress noted as the instructor visits each group. If you are not in class to work on the problem with a group, then you will not earn credit. There is no way to make up for these missed group problems. However, I will drop two of these in-class problems at the end of the term.

**Final Exam:** Your final exam will be taken in a classroom on the Albany LBCC campus during final's week. You will be asked not only to demonstrate your understanding of the calculus you learned this term, but you will also be writing about concepts.

### **Math Help and Class Resources:**

This class has many resources to help you succeed.

- Whether you have questions about material or any question about the course, I am available. Check my Google calendar to make an appointment or email me at [maurerv@linnbenton.edu](mailto:maurerv@linnbenton.edu) and we will arrange a time to zoom or chat in person.
- Your classmates are a great resource. You are encouraged to work with classmates but always turn in your own unique thoughts and not the work of others.
- The Learning Center offers the Math Support Zoom and free one-on-one tutoring. Links to those resources are located in our Moodle class.
- The Achieve ebook has additional examples, exercises, and interactives that can give you alternate explanations and visualizations.
- Get on the Internet and search for any calculus topic and you will find lots of videos.

**Cheating:** Cheating will not be tolerated. If you choose to cheat on an exam and are caught, you will receive a zero grade on your exam, and I will file an incident report. A second episode of cheating will guarantee you an F grade for the course and more severe disciplinary action from the school. Academic dishonesty includes, but is not limited to, offering other students information about exam questions, using unauthorized resources during testing such as a phone, textbook, website, or person, copying homework from another student, or allowing a student to copy your homework.

**Anyone With Special Needs or 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 this class, please contact your instructor as soon as possible to discuss your needs. If you think you may be eligible for accommodations but are not yet registered with CFAR, please visit the [CFAR Website](#) for steps on how to apply for services. Online course accommodations may be different than those for on-campus courses, so it is important that you make contact with CFAR as soon as possible. CFAR Phone: (541) 917-4789.

**Statement of Inclusion:** To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.

[Equal Opportunity and Non-Discrimination Policy](#)

**Basic Needs Statement:** Any student who has difficulty affording food or finding a safe and stable place to live, or who needs assistance with resources for transportation, childcare, etc., is urged to contact the [Roadrunner Resource Center](#) for support and referral to community resources. Also, please talk with your instructor if you are comfortable doing so. This can help them direct you to the appropriate office and resource.

**Title IX Reporting Policy:** If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can [report](#) a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

**Public Safety/Emergency Resources:** In an emergency while on campus, call 911. Also, call [LBCC Public Safety and Loss Prevention Office](#) at 541-926-6855 and 541-917-4440. From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a [public safety app](#) available for free. We encourage people to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed. Visit them to learn more.