



MTH 252 Integral Calculus
Winter 2020 30154

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Office Hours:	Tuesday 11-12 and Thursday 1-3, or by appointment.
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MML Course ID: harbert22667

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.

When you complete this class, you will be able to

- 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: harbert25431
- A graphing calculator that does not have a symbolic manipulator (TI-84 on is recommended).

How will your grade be calculated?

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

Online Homework Online homework will be completed and submitted electronically using *MyMathLab*. You must register for this at www.pearsonmylabandmastering.com using the Course ID#. Although you will

enter your *MyMathLab* answers online, you should still work the problems by hand in a notebook you create for your 254 homework. This will give you practice for writing out solutions for the exam, give you a place to start when asking for help, and give you a clear record of work to use to study for exams. When you come to office hours or other tutors for help, you should bring a copy of the problem and your notes for your attempt of the problem. The homework will have a hard deadline to receive full credit. Any homework completed after the deadline (and only up until the day of the test over that material) will be worth 70%.

Quizzes

Quizzes are on the course calendar. They will be taken in class. Make sure that you stay up to date with all homework assignments and ask questions when you have them. Your quiz grade will be calculated by taking the average of all quizzes. One quiz will be dropped. There will be no “make-up” quizzes.

(ICA) Class Work Mathematics is a combination of knowledge and skill, and like any skill (or sport) can only truly be learned by doing. We will frequently work in groups to solve calculus problems during class. If you are not in class to work on the problem, then you will not earn credit. *There is no way to make up this in-class work* but I will drop one of these in-class worksheets at the end of the term.

Tests

In this class, we will have two tests and a comprehensive final exam. All tests will cover 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.

Comprehensive Final Exam

The comprehensive final exam will be given in our normal classroom on Monday of finals week 10-11:50.

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 (MML)	15%
Quizzes	10%
In Class Activities (ICA)	10%
Two Tests	40%
Final Exam	25%

Your letter grade will be following 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 in this class.

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 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](#), WH226, 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 provide a great location for study groups to meet and work.
- Instructional assistants are available to answer your math and graphing calculator questions.
- The Learning Center offers some free individual and small group tutoring in addition to the help desk.

Please remember to log on and log off the computer with each visit to the Learning Center.

Winter 2020 Learning Center Hours

Monday - Thursday 7:30 am – 9 pm

Friday: 7:30 am – 5 pm

Saturday: 11 am – 4 pm

Class Policies

Attendance

Your regular attendance and thoughtful participation in class are essential for your success in learning mathematics. You regular attendance is mandatory. 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 My Math Lab several times each week to check for announcements, study course materials, and complete online homework.

Cell Phone Use

- Do not use your cellphone in class, at all.
- Cell phones should be out of sight and put away.
- If your cell phone becomes distracting, you will be asked to leave class.

Special Circumstances

Students who have any emergency medical information the instructor should know of, who need special arrangements in the event of evacuation, or students with documented disabilities who may need accommodations, should **make an appointment with the instructor as early as possible, no later than the first week of the term.** If additional assistance is required, the student should contact the Center for Accessibility Resources at 917-4789.

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.