

MATH 1455 Calculus 2, Section 102

Fall 2024

Instructor:

Prof. Greg Ongie, MSSC Department
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Lectures: MWF 10:40-11:50 am, Cudahy Hall 401

Course Website: D2L <https://d2l.mu.edu/d2l/home/563697>

Prof. Ongie's Office Hours: Mon 4:00-5:00 pm, Calculus Help Desk (3rd floor Cudahy Hall)
Wed 4:00-5:00 pm, Cudahy Hall 367
Fri 9:30-10:30 am, Cudahy Hall 367

Course Description

Techniques of integration, including numerical methods. Applications of integrals, Taylor polynomials, analytic geometry and vectors. The differential and integral calculus of functions of several variables. Prereq: MATH 1450 (4 credit hours).

Textbook & WileyPLUS

Required Textbook: *Calculus: Single and Multivariable* by Hughes-Hallett et al., 8th edition, Wiley 2021. ISBN: 978-1-119-69429-8.

For homework assignments, we will use WileyPLUS, an online service that includes a digital copy of the textbook as well as online exercises. To register for this course on WileyPLUS, create an account and login at [Wileyplus.com](https://www.wileyplus.com) and enter the following Course Section ID: **B32869**.

After registering, you will be asked to enter an access code. This comes bundled with the textbook when purchased from the bookstore. An access code can also be purchased directly from Wiley. Finally, there is also option for 14-day free trial, if you cannot immediately purchase an access code.

Course Structure

On Mondays, Wednesdays, and Fridays, we will have an in-person lecture that covers the core concepts and goes over basic examples. Additionally, portions of class time will be dedicated to quizzes and group activities.

Office Hours and Help Desk Hours

I will also hold weekly office hours. Two of these office hours will be held in-person in my office, 367 Cudahy Hall. One will be held at the Calculus Help Desk on the 3rd floor of Cudahy Hall. The hours are listed at the top of this syllabus. **You do not need an appointment to attend regularly scheduled office hours.** Feel free to drop by during any of those time slots.

Teaching assistants and instructors of other sections also hold additional "Help Desk Hours" at several times during the week. The schedule will be posted on the department website (<https://www.marquette.edu/mathematical-and-statistical-sciences/student-resources.php>)

Evaluation and Grading

Grades in this course will be determined as follows:

Exams (3 formative and 1 final exam)	400 points
Quizzes	100 points
Activities	50 points
Wiley PLUS Homework	50 points
Total	600 points

Exams: There are three formative exams and one comprehensive final exam. Exam problems are based on lectures, text, WileyPLUS homework, activities, and quizzes. Each formative exam is out of 100 points. To improve your grade, your lowest formative exam will be weighted by half (for example, if your lowest score is 60/100, then your score will be adjusted to be 30/50). Exams are worth a total of 400 points toward your final grade.

Quizzes: There will be weekly quizzes given on Fridays during class. They will be based on lectures, WileyPLUS assignments, and activities. Quizzes are worth a total of 100 points toward your final grade.

Activities: Additionally, we will have in-class group problem-solving activities once a week. Your lowest activity score will be dropped at the end of the semester. The remaining 10 activity scores, worth 5 points each, will total 50 points toward your final grade.

WileyPLUS Homework: Homework is assigned online through WileyPLUS. Homework will be due on Thursdays at 11:59 pm (one minute before midnight). Each homework set comprises a full week's lecture materials, so it is important to start the homework earlier rather than later. Each question allows for 5 attempts. Late assignments receive a 50% reduction up until 3 days have passed. After 3 days, no points are awarded. Homework totals 50 points in the final grade.

The scoring for WileyPLUS Homework is somewhat lenient since there is a learning curve to the software. The number of points earned is based on your final WileyPLUS percentage. If your final WileyPLUS percentage is 80% or higher, you will earn all 50 homework points. If your final WileyPLUS percentage is less than 80%, you will receive a portion of the available 50 homework points equal to your percentage of 80% correct. To calculate this, take your percentage, divide by 80 and then multiply by 50 points (e.g. if you correctly complete 50% of the homework, you will receive $(50/80)*50 = 31$ points).

Some WileyPLUS tips:

- If the WileyPLUS problems are not loading try refreshing the page, using another browser, or temporarily disabling certain browser extensions (ad-blockers, etc.).
- Be careful to pay attention to the notation you're using and the notation WileyPLUS is using. Some common errors include: using Π instead of π , using x when the variable is t , and misplacing parentheses.
- Unless the problem states otherwise, use exact answers (logs, fractions, etc.) instead of numerical approximations (e.g., $\frac{1}{3}$ instead of 0.33, $\ln(3)$ instead of 1.10, or π instead of 3.14).

Midterm grade: Midterm grades are computed using examinations, quizzes, and activities scheduled before midterm break. Midterm grades will not include WileyPLUS homework.

Final grade: Your final grade is determined using the follow scale

A	93–100%	C	68–75.99%
A-	90–92.99%	C-	64–67.99%
B+	87–89.99%	D+	62–63.99%
B	80–86.99%	D	56–61.99%
B-	78–79.99%	F	0–55.99%
C+	76–77.99%		

Additional Course Policies

Class Conduct

Norms for classroom conduct are based on respect for the instructor and your fellow students. While in class, please silence your phones. Behaviors such as eating, sleeping, watching videos, or otherwise distracting your fellow students are inappropriate.

Grading Disputes

If you believe that there has been an error in scoring an assignment, you must bring it to my attention within one week of the graded paper being returned. Then I will carefully reread, and if necessary, rescore the assignment.

E-mail Policy

Please follow the "Three-Before-Me" rule: If you have questions regarding the material, assignments, technical issues, etc., please seek out at least three other sources of information to obtain an answer before e-mailing me about it. These sources of information could include your classmates, an internet search, information posted on D2L, or this document. Please do not message me on the D2L or WileyPLUS platforms; I will not be checking these platforms for messages.

Excused Absences & Make-up Exams

Students with absences due to medical issues, legal obligations, religious observances, or participation in Division 1 athletics and other university sanctioned events will be given an opportunity to make up exams or other graded assignments, if a request is made to the instructor prior to the absence. After all absences, excused or unexcused, you are responsible for contacting your classmates to obtain lecture notes and any other missed materials.

An unexcused absence from an exam is recorded as a score of 0. **Make-up exams will not be given unless the student informs, and has a come to a written agreement with, the instructor prior to the exam.** The student is responsible for scheduling their make-up exam, which ideally should take place within one week of the missed exam.

Accommodations for Disabilities

If you have a disability and will require accommodations under the Americans with Disabilities Act, you need to provide appropriate documentation to the Office of Disability Services. They will supply you with a letter to give to me detailing the accommodations. If you are unsure of whether or not you qualify for services, visit the Office of Disability Services' website, <http://www.marquette.edu/disability-services>,

or contact them at (414) 288-1645. If you qualify for special accommodations you must work with the course instructor and come to an agreement no less than 7 days prior to the needed accommodation.

Academic Support

It is your responsibility to keep abreast of the course, to master the material covered, and to take the initiative for getting any help you may need. *You are encouraged to obtain help from the course instructor and TA by attending office hours and help desk hours.* If additional support is needed, the MUSC Tutorial Program offers tutoring services for this course. For more information see the website at <http://www.mu.edu/oses>.

Academic Integrity and Honesty

Academic dishonesty will not be tolerated. In particular, representing another person's work as your own is academic dishonesty. This applies to all activities, homework, project work, assignments, etc. Any time you use and present ideas that are not your own you must cite your sources. Failure to abide by the university "Academic Integrity Policy"(<http://bulletin.marquette.edu/undergrad/academicregulations/>) may result in disciplinary action.

Course Schedule

Note: The schedule below is tentative and subject to change.

Mon, Aug 26	Syllabus, Calc 1 Review	Mon, Oct 21	13.1
Wed, Aug 28	6.1 & 6.2	Wed, Oct 23	13.2
Fri, Aug 30	6.4	Fri, Oct 25	13.3
Mon, Sept 2	No class – Labor Day	Mon, Oct 28	13.4
Wed, Sept 4	7.1	Wed, Oct 30	14.1
Fri, Sept 6	7.2	Fri, Nov 1	14.2
Mon, Sept 9	7.4	Mon, Nov 4	14.3
Wed, Sept 11	7.4	Wed, Nov 6	14.4,14.5
Fri, Sept 13	7.5	Fri, Nov 8	14.6
Mon, Sept 16	8.1	Mon, Nov 11	14.7
Wed, Sept 18	Review for Exam 1	Wed, Nov 13	Review for Exam 3
Fri, Sept 20	Exam 1	Fri, Nov 15	Exam 3
Mon, Sept 23	8.2	Mon, Nov 18	15.1
Wed, Sept 25	8.4	Wed, Nov 20	15.2
Fri, Sept 27	8.5	Fri, Nov 22	15.3
Mon, Sept 30	10.1	Mon, Nov 25	No class – Thanksgiving Break
Wed, Oct 2	12.1	Wed, Nov 27	No class – Thanksgiving Break
Fri, Oct 4	12.2	Fri, Nov 27	No class – Thanksgiving Break
Mon, Oct 7	12.3	Mon, Dec 2	16.1
Wed, Oct 9	12.4	Wed, Dec 4	16.2
Fri, Oct 11	12.5	Fri, Dec 6	16.3 (last class)
Mon, Oct 14	Exam 2 Review		
Wed Oct 16	Exam 2	Tues, Dec 10	Final Exam, Cudahy 401, 8-10am
Fri Oct 18	No class - Fall break		