

Course Information

Course Number:	Math 171
Course Title:	Calculus 1
Section:	502/504
502 Lecture:	TR 11:10-12:25 BLOC 164
Recitation:	W 9:10-10:00 BLOC 126
504 Lecture:	TR 2:20-3:35 BLOC 164
Recitation:	W 12:40-1:30 BLOC 126
Credit Hours:	4
Class Website:	http://www.math.tamu.edu/~yasskin/currclas/171.22c/
Department Website:	http://www.math.tamu.edu/courses/math171/
Math Learning Center	http://mlc.tamu.edu/
Help Sessions	http://mlc.tamu.edu/Online-Help-Services/MLC-Help-Sessions
Tutoring by Appt	http://mlc.tamu.edu/Online-Help-Services/Tutoring-Central

Instructor Details

Instructor:	Philip Yasskin
Office:	BLOC 620 I
Phone:	979-845-3261, for leaving a message
E-Mail:	yasskin@tamu.edu Please include your phone number.
Office Hours:	M 2:00-3:00 via Zoom, link is in Canvas Or any TR immediately after class.
TA:	Reagan Loxton
TA email:	reaganloxtan@tamu.edu

Course Description

Vectors, functions, limits, derivatives, Mean Value Theorem, applications of derivatives, integrals, Fundamental Theorem of Calculus. Designed to be more demanding than [MATH 151](#). Only one of the following will satisfy the requirements for a degree: MATH 131, [MATH 142](#), [MATH 147](#), [MATH 151](#), or [MATH 171](#).

Course Prerequisites

[MATH 150](#) or equivalent or acceptable score on TAMU Math Placement Exam.

Special Course Designation

CORE Mathematics

Course Learning Outcomes

During this course, students should develop an intuitive understanding of vectors, limits, derivatives and integrals. After taking this course, students should be able to compute limits, derivatives and integrals. They should be able to use vectors to compute angles, projections and work. They should be able to apply limits and continuity to the Intermediate Value and Extreme Value Theorems. They should be able to use derivatives to apply the linear approximation and the Mean Value Theorem, to analyze and sketch the graphs of functions and to solve applied related rates and max-min problems. They should be able to use integrals to compute area, average value and the mass and center of mass of a bar.

Textbook and/or Resource Materials

Text: *MYMathApps Calculus 1* P. Yasskin et. al.
available at:
<https://www.math.tamu.edu/maple/maplets/MYMACalc/>
The book is FREE for all Aggies.

MYMathApps Exercises: These are not graded. Each exercise may have buttons for a Hint, Answer, Solution, Check and Remark. Try as many problems as possible. Try doing a problem. If you need to, read the Hint. Once you get an answer, check it against the Answer. If it is not correct, try again. Only read the Solution after you get it correct or you are absolutely stumped. Frequently, there is a way to Check the answer, especially on indefinite integrals. Get in the habit of checking your answers. After some problems, there is a Remark which discusses aspects of the problem which would give away the solution if it were displayed before the problem. Read the remarks.

Online Homework: Edfinity.com Online Homework
Available in the Canvas Modules:
Students are expected to purchase a subscription to Edfinity.com for \$25 or by visiting the TAMU bookstore (online or in person).

Math Learning Center: The Math Learning Center (MLC) offers various forms of support for Math 171, both online and face-to-face, including drop-in Help Sessions, Tutoring by Appointment and other activities. Additionally, the MLC hosts an archive of Supplemental Material, such as recorded review sessions.

Grading Policy

Assessment	Covers MYMA Calc	Points	Dates
Exam 1	Chs. 5- 11	100	Thur, Sept 29, 2022
Exam 2	Chs. 12- 16	100	Thur, Oct 27, 2022
Exam 3	Chs. 17- 24	100	Tue, Nov 29, 2022
Final	All	150	
502	3:00-5:00		Fri, Dec 9, 2022
504	1:00-3:00		Wed, Dec 14, 2022
eHW & Quiz	All	100	Wednesdays at 11:55pm or as Announced
Total:		550	

I may curve any grade or the total and then compute the course grade from the following list:

550 points ≥ A ≥ 495 points > B ≥ 440 points > C ≥ 385 points > D ≥ 330 points > F ≥ 0 points

e-Homework: <https://edfinity.com/>

Edfinity Homework will be due on Wednesday nights at 11:55pm unless otherwise announced. It is automatically graded. Late homework will be accepted for up to 2 days but there will be a 20% penalty on the portion that was not completed by the due date. The enrollment information for Edfinity Homework is on [Canvas](#). You will pay \$25 when you enroll. You can get a refund during the first two weeks.

Quizzes: Quizzes may be given in lecture or lab and may not be announced, or they may be Take-Home-Quizzes due on announced dates. Late Take-Home Quizzes will be accepted only if there is a University excused absence. There will be no make-ups for In-Class Quizzes since some will be dropped.

HW & Quiz Grades: Homework and Quizzes are grouped together for grading purposes. The lowest 4 Homework or Quiz grades will be dropped. The remaining grades will be averaged and then rescaled to 100 points.

Exams: There will be 3 midterm exams and a final exam. No calculators are allowed on exams. Make-Ups for Major Exams will be given only in case of an absence authorized under University Regulations. If you know in advance that you will miss an exam, please contact me in advance. If you email me, be sure to include your phone number.

Math is Comprehensive: All Math is comprehensive in nature (in that every concept uses concepts previously covered). Therefore, each exam may cover material from previous exams. Further, to recognize that you may have learned material by the end of the course that you had difficulty with earlier, if the score on your final exam is higher than your lowest midterm exam score, then the score on the final exam will replace that score on that midterm in the course grade calculation. To be eligible for this, you must have taken all 4 exams.

Late Work Policy

- Make-Ups for Major Exams will be given only in case of an absence authorized under University Regulations. If you know in advance that you will miss an exam, please contact me in advance. If you email me, be sure to include your phone number.
- Late Edfinity homework will be accepted for up to 2 days but there will be a 20% penalty on the portion that was not completed by the due date.
- Late Take-Home Quizzes will be accepted only if there is a University excused absence.
- There will be no make-ups for In-Class Quizzes since some will be dropped.

Course Schedule

Week Starting	Covers	Topics		
	MYMACalc			
1	8/22	Chs: 5	Vectors	
2	8/29	Chs: 6,7	Limits & Cont, Computing Limits	
3	9/5	Chs: 8,9	Appl of Lim, Precise Lim	
4	9/12	Chs: 10,11	Deriv & Tan Lines, Deriv Rules	
5	9/19	Chs: 12,13	Lin Approx, Chain & Implicit	
6	9/26	Chs: 5-13	Review	Exam 1
7	10/3	Chs: 14,15	Inverse Fns, Higher Deriv	
8	10/10	Chs: 16,17	Param Crvs, Lim and Solve Eqs	
9	10/17	Chs: 18,19	Rel Rates, Graphs	MidTerm Gds 10/18
10	10/24	Chs: 14-19	Review	Exam 2
11	10/31	Chs: 20	Max-Min	
12	11/7	Chs: 21,22	Antideriv, Riemann Sums,	Q-drop 11/19
13	11/14	Chs: 23,24	Substitution, Appl of Integ	
14	11/21		Review, Thanksgiving	
15	11/28	Chs: 20-24	Review	Exam 3
16	12/5	All	Review for Final	502 12/9
17	12/12	All		504 12/14

Optional Course Information Items

Name & Email: Be sure to use your tamu.edu email address to log into Zoom and Edfinity and be sure your Name appears in Zoom and Edfinity as it does on Howdy.

FERPA: Due to FERPA privacy issues, I cannot discuss grades over email or phone. If you have a question about your grade, please see me in person or schedule a one-on-one Zoom meeting with me such as office hours.

Final Conflicts: If you have 3 exams on the day on your 171 final, please tell me about this before Exam 2. We will see what we can work out.

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All material handed out or written on the board or spoken in class or posted on a computer is copyrighted by the instructor. This includes but is not limited to the textbook, syllabi, homework, quizzes, labs, webpages, additional problem sets, class notes, in-class materials and exams. Because these are copyrighted, neither you nor anyone else has the right to copy them unless I expressly grant permission.

University Policies

Attendance Policy

The university views class attendance and participation as an individual student responsibility. Students are expected to attend class and to complete all assignments.

Please refer to [Student Rule 7](#) in its entirety for information about excused absences, including definitions, and related documentation and timelines.

Makeup Work Policy

Students will be excused from attending class on the day of a graded activity or when attendance contributes to a student's grade, for the reasons stated in Student Rule 7, or other reason deemed appropriate by the instructor.

Please refer to [Student Rule 7](#) in its entirety for information about makeup work, including definitions, and related documentation and timelines.

Absences related to Title IX of the Education Amendments of 1972 may necessitate a period of more than 30 days for make-up work, and the timeframe for make-up work should be agreed upon by the student and instructor" ([Student Rule 7, Section 7.4.1](#)).

"The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unexcused absence" ([Student Rule 7, Section 7.4.2](#)).

Students who request an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code. (See [Student Rule 24](#).)

Academic Integrity Statement and Policy

“An Aggie does not lie, cheat or steal, or tolerate those who do.”

“Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate one’s work, should the instructor request it, may be sufficient grounds to initiate an academic misconduct case” ([Section 20.1.2.3, Student Rule 20](#)).

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You can learn more about the Aggie Honor System Office Rules and Procedures, academic integrity, and your rights and responsibilities at aggiehonor.tamu.edu.

Americans with Disabilities Act (ADA) Policy

Texas A&M University is committed to providing equitable access to learning opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact the Disability Resources office on your campus (resources listed below) Disabilities may include, but are not limited to attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability related needs with Disability Resources and their instructors as soon as possible.

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Disability Resources is located in the Student Services Building or at (979) 845-1637 or visit disability.tamu.edu.

Title IX and Statement on Limits to Confidentiality

Texas A&M University is committed to fostering a learning environment that is safe and productive for all. University policies and federal and state laws prohibit gender-based discrimination and sexual harassment, including sexual assault, sexual exploitation, domestic violence, dating violence, and stalking.

With the exception of some medical and mental health providers, all university employees (including full and part-time faculty, staff, paid graduate assistants, student workers, etc.) are Mandatory Reporters and must report to the Title IX Office if the employee experiences, observes, or becomes aware of an incident that meets the following conditions (see [University Rule 08.01.01.M1](#)):

- The incident is reasonably believed to be discrimination or harassment.
- The incident is alleged to have been committed by or against a person who, at the time of the incident, was (1) a student enrolled at the University or (2) an employee of the University.

Mandatory Reporters must file a report regardless of how the information comes to their attention – including but not limited to face-to-face conversations, a written class assignment or paper, class discussion, email, text, or social media post. Although Mandatory Reporters must file a report, in most

instances, a person who is subjected to the alleged conduct will be able to control how the report is handled, including whether or not to pursue a formal investigation. The University's goal is to make sure you are aware of the range of options available to you and to ensure access to the resources you need.

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Students wishing to discuss concerns in a confidential setting are encouraged to make an appointment with [Counseling and Psychological Services \(CAPS\)](#).

Students can learn more about filing a report, accessing supportive resources, and navigating the Title IX investigation and resolution process on the University's [Title IX webpage](#).

Statement on Mental Health and Wellness

Texas A&M University recognizes that mental health and wellness are critical factors that influence a student's academic success and overall wellbeing. Students are encouraged to engage in healthy self-care by utilizing available resources and services on your campus

Texas A&M College Station

Students who need someone to talk to can contact Counseling & Psychological Services (CAPS) or call the TAMU Helpline (979-845-2700) from 4:00 p.m. to 8:00 a.m. weekdays and 24 hours on weekends. 24-hour emergency help is also available through the National Suicide Prevention Hotline (800-273-8255) or at [suicidepreventionlifeline.org](#).

Campus-Specific Policies**College and Department Policies**