COURSE SYLLABUS
MATH 1552, INTEGRAL CALCULUS
SCHOOL OF MATHEMATICS
GEORGIA INSTITUTE OF TECHNOLOGY

Welcome to Integral Calculus! This course is designed to introduce you to the fundamental concepts of integration and infinite series. All our students play an important role in our educational mission. We hope that you will find this to be a useful, fundamental course for your future studies.

We want to support your success in this course! If there is anything you would like us to know about your situation, please contact your instructor directly.

Course Description and Learning Outcomes

Course Title: Integral Calculus

Learning Objectives:

- Students will understand the geometric concept of a definite integral and learn how to approximate the integral using Riemann sums.
- Students will be able to evaluate indefinite and definite integrals algebraically using various integration techniques, including substitution, integration by parts, trigonometric substitution, trigonometric identities, and partial fractions.
- The idea of convergence will be applied to improper integrals and infinite series.
- Given an infinite series, students can analyze the function to determine if the series converges by applying an appropriate convergence test (divergence, comparison, integral, ratio or root).
- Taylor series will be constructed for various functions and will be applied to numerical approximation problems and definite integrals.
- Students will understand the proper usage of mathematical notation in relation to the above topics.

Textbook: Thomas, *Calculus: Early Transcendentals*, 14th ed. We will discuss topics in chapters 5, 6, 7, 8, and 10.

Important Websites:

Course Information: http://canvas.gatech.edu (*required*)
Textbook/Homework Access: http://www.mymathlab.com (*required, access through Canvas*)
On-line Discussions: www.piazza.com (*highly recommended, access through Canvas*)

MyMathLab Course Information: We will be utilizing MyMathLab (MML) for homework through a joint code for the Thomas *Calculus* text and the Lay *Linear Algebra* text. Our MML course is linked to Canvas. Please login to your Canvas account, then go to the "My Lab and Mastering" tool on the left-hand menu. From the My Lab page, you can login to, or create, your MyMathLab account to access our course. You should not need to enter a course ID.

Important notes on MML:

- If you already have an account on MyMathLab using this combined textbook within the past 18 months, then you do not need to purchase a new code. Login to your account on MyMathLab, select the option to add a new course, and enter our course ID.

- If you do not have a MyMathLab account using the Thomas or Lay textbooks, or if your account is over 18 months old, you will need to purchase a new code for our course. Please refer to the registration document, located in the "Resources" section on Canvas, to create your new account.

When signing up for MyMathLab, it will be immensely helpful (for grading purposes) if you will set your STUDENT ID to your USERID for the GT system (i.e., your Canvas USERID, as in "gburdell3", etc).

MyMathLab comes with an entire electronic version of the textbook; it is your choice if you would also like to own the textbook in print. You may purchase a MyMathLab code either from the bookstore or on-line while registering at http://www.mymathlab.com. If you prefer to own a hardcopy of the text, the bookstore offers packages of MyMathLab combined with a loose-leaf or hardcover version of the Thomas textbook that is less expensive than purchasing the text and code separately.

PLEASE NOTE: GEORGIA TECH HAS A SPECIAL CODE PACKAGE THAT INCLUDES BOTH TEXTBOOKS. THIS CODE CAN ONLY BE PURCHASED THROUGH THE CAMPUS BOOKSTORES OR DIRECTLY FROM PEARSON. CODES PURCHASED BY OTHER VENDORS WILL NOT WORK! Possible ISBNs for this text are: 9781323835029, 132383768X, or 9781323837689.

Course Organization

This course will consist of lectures on MWF and studios on TR. During lectures, the instructors will present new material and example problems to the students. The teaching assistants will help students to apply this material during problem-based studio sessions.

Note on class modes and the COVID-19 pandemic: The instructors and TAs hope to provide an in-class experience for students as much as possible this semester. However, at times, it may be necessary for classes to move online due to a rise in COVID-19 cases on campus, or illness/isolation of the instructor or TA. We will notify students as soon as possible if any classes will meet online. We also strongly encourage students who are sick to stay home, so that we can safely continue to offer as many in-person events as possible. Students are strongly encouraged to ***vaccinate, mask, and test regularly*** to keep our campus community safe. Classes will be recorded and/or streamed to accommodate students who cannot physically attend class.

Tutoring and Academic Support will also provide our class with a PLUS ("Peer Led Undergraduate Study") leader. PLUS sessions will also meet twice per week. These sessions are optional, but strongly encouraged.

Course Requirements and Grading

HOMEWORK: Homework will be divided into three categories: pre-lecture videos, online assignments, and class worksheets. All assignments will be due on Tuesdays by 11:59 PM, with the exception of school holidays (please see exact dates on the course calendar). Please note: *the final graded homework assignment will be due on Tuesday, December 7.*

PRE-LECTURE VIDEOS: A pre-lecture recording will be posted at least 24 hours in advance of each lecture, beginning with the lecture on August 25. Students are expected to watch the videos prior to each scheduled lecture. Short quizzes on the lecture material will be embedded into the videos, which are graded on completion. Each video counts 2 points toward the homework grade. Late assignments will be accepted only until the upcoming Tuesday at 11:59 PM; after that time, the quiz grade will be set to a 0.

ONLINE ASSIGNMENTS: A short welcome survey and a syllabus quiz will be posted on the first week of class. Completing this survey and quiz count as your first two homework assignments. Beginning on the second week of class, homework will be assigned on-line and will consist of exercise problems on MyMathLab. You are expected to understand **all** homework problems for the tests and quizzes. In order to increase the effectiveness of studio, you should attempt the problems **before** the weekly studio sections. Exercises on MyMathLab will be due on Tuesdays at 11:59 PM EDT (with a few exceptions as posted on the course schedule, or as announced in class). Each assignment contains problems that count toward the grade, and extra practice problems to help you prepare for the tests. Graded assignments each count 10 points toward the homework grade. **Late homework will be accepted with a 20% deduction per day**.

WORKSHEETS: Each week, a worksheet will be posted with practice problems. The TAs will assist with these problems during the studio sessions on Tuesdays and Thursdays. Students will be asked to upload their worksheet solutions to Canvas, beginning on the second week of classes, by the following Tuesday at 11:59 PM. Late assignments will not be accepted. The solutions will be graded for correctness and completion. Though students do not have to have all problems perfectly "correct," we will expect that problems have been adequately attempted using the methods learned in class. Papers that are turned in with copied solutions from internet sources will receive an automatic grade of 0. Each worksheet will be graded out of 10 points, counting toward the homework grade.

Summary of Homework Assignments:

Assignment Description	**Number of Possible Points**
Pre-lecture Videos	72 (36 videos, 2 points each)
Online Homework	160 (14 online assignments + survey + syllabus quiz, 10 points each)
Worksheets	130 (13 worksheets, 10 points each)
Total possible points:	362

To calculate the overall homework grade, the number of points earned will be divided by 346. Thus, a student may earn up to 105% on the homework score. Additionally, 16 points can be missed to still earn a 100%.

QUIZZES: We will have four quizzes this fall: two online and two in-person. Online quizzes will be formatted as multiple-choice, true/false, and/or short answer questions. In-person quizzes will be free-response questions. All quizzes will be 30 minutes in length. Online quizzes will run from 6:30-7:00 PM on Wednesdays during our common exam time. Online quizzes will be proctored using both Honorlock and a synchronous online classroom setting. Students may need to have two devices for the online quizzes: one device to take the quiz on Honorlock, and another device to use as a camera for the online classroom. For the in-person quizzes, students will be divided into two groups for social distancing. One group will take the

quiz from 6:30-7:00 PM, and the other group will take the quiz from 7:15-7:45 PM. Group times may alternate for each quiz. Quizzes will be held on the following dates:

- **Quiz 1**: September 22 (online)
- **Quiz 2**: October 6 (in-person)
- **Quiz 3**: November 3 (in-person)
- **Quiz 4**: December 1 (online)

No books, notes, calculators, or other electronic devices are allowed during the quizzes.
For in-person quizzes, students will need to bring a cell phone in order to scan and upload their responses to Gradescope at the end of the quiz. While scanning is in progress, any student who changes answers or writes on their papers will receive an automatic grade of 0 on the quiz. Please download a scanning software such as Camscanner to your phone prior to the first quiz.
Showing work is required on all free-response questions. As writing mathematics properly is part of learning Calculus, points may be deducted for incorrect mathematical notation.
If, due to the COVID-19 pandemic, we are unable to proctor one or more of the quizzes in the classrooms, these quizzes may alternately be administered as online exams. If this occurs, the format of the quizzes will be multiple choice and/or short answer instead of free response. Decisions regarding the format of each quiz will be made based on the current number of COVID-19 cases on campus. For any quiz that moves online, students will be required to use the Honorlock proctoring tool for exam administration, along with an additional device containing a webcam for live proctoring on Microsoft Teams.
Students who are in quarantine/isolation and/or unable to attend the in-person quiz sessions due to illness may work with their instructor to arrange an oral exam which can be administered online.

FINAL EXAM: The final exam will cover all course materials and will be standardized by the department. All students must take the final examination. The common final exam will be administered online during our common final exam period on Thursday, December 9, from 6:00-8:50 pm.
Students will be required to use the Honorlock proctoring tool for exam administration, along with an additional device containing a webcam for live proctoring on Microsoft Teams, and the exam will be available on Canvas and formatted with multiple choice, true/false, and/or short answer questions.

Your final average will be computed as follows:

Assessment	Percentage
Homework	15%
Quizzes (15% each)	60%
Final Exam	25%

Letter grades will be determined based on the following intervals. ***You are guaranteed a minimum of the following scale, but do not expect any deviation:***

A: 90% and higher, **B**: [80%, 90%), **C**: [70%, 80%), **D**: [60%, 70%), **F**: [0%, 60%).

Adjustments, if any, to the above scale will be standardized by the department, not the individual instructors.

Midterm grades will be assigned on **October 4**. A satisfactory grade will be assigned to all students with a

midterm average of 75% or higher (based on the above weighting of grades).

Extra credit: Each lecture class that completes the course instructor opinion survey (CIOS) with a response rate of 85% or higher before 6:00 pm on December 9 (prior to the administration of the final exam) will have five (5) bonus points added onto the final exam grade. Additionally, students may earn extra points in the homework category by completing all assignments successfully.
As this course is a coordinated class, your instructor will be unable to offer you any additional extra credit opportunities during the term.

Class Policies

In-class Attendance: You are expected to come prepared and actively participate in the class sessions. In the event of an absence, you are responsible for all missed materials, assignments, and any additional announcements or schedule changes given in class.
Class disruptions of ANY kind will NOT be tolerated and may result in your removal from the classroom and/or loss of participation points for that day.
Please show courtesy to your fellow classmates and instructor or teaching assistant by adhering to the following class rules:

- Turn off all laptops, cellular phones, and other electronic devices, unless you have a *documented* need to use such devices for note-taking, during class.
- Come to class on time and stay for the entire class period.
- We request that you please wear a face mask during class that completely covers your nose and mouth.
- Refrain from conversing with your fellow students.
- Put away any reading materials unrelated to the course.

Heath-Related Considerations: Please see information about health-related concerns at http://health.gatech.edu/coronavirus/students. In particular, all students are asked to perform a self-assessment prior to coming to campus each day. Please do not come to an in-person lecture or studio if you are sick. Students are expected to be familiar with and abide by the Institute guidelines, information, and updates related to Covid-19. Find campus operational updates, Frequently Asked Questions, and details on campus surveillance testing and vaccine appointments on the **Tech Moving Forward site.**

FACE COVERINGS: Out of concern for the health of the instructors, TAs, and students, the teaching staff is choosing to wear masks in the classroom and we ask that you give us and your fellow classmates this same consideration. We understand that wearing masks can be an inconvenience, but they have been shown to slow the spread of this virus. Your cooperation and understanding on this matter are much appreciated.

OFFICE HOURS: The instructors and TAs also request that you wear a face mask if you plan to attend an in-person office hour. To meet students' requirements, needs, and comfort levels, meetings and office hours will be offered in-person, virtually, or outdoors.

NETIQUETTE: Netiquette is the etiquette of online behavior. In all means of online communication, you will need to follow the same rules of behavior as you would in a face-to-face course when communicating with the other students, teaching assistants, and instructors in the class. This means that you must show respect for others: negative personal comments are strictly prohibited. Please also respect your fellow classmates by turning off your microphone and web cam when appropriate. If it is appropriate to turn on your web cam, be sure that you are wearing appropriate clothing. During class sessions you may ask questions in

the Q&A or chat; however, spamming the chat or posting inappropriate content will result in your displacement from the virtual session.

Digital Proctoring: This course will be using digital proctoring for online exams. The following are required of students:

- Review important **Honorlock technical requirements and Student FAQs.**
- Students must have a broadband internet connection.
- Students must have a webcam and microphone.
- Students must have a secure private location to take an exam.
- Students will be asked to provide a picture ID and take a picture of themselves via a webcam as part of the exam process.
- Honorlock is not compatible with Linux OS, Virtual Machines, tablets, or smartphones.
- Honorlock requires the installation of Google Chrome and the Honorlock Chrome extension
- An additional device may be necessary in order to simultaneously access Honorlock and MS Teams

If your current situation does not allow for Honorlock proctoring, please contact your instructor as soon as possible to discuss alternate proctoring arrangements.

Group Work and Respecting Others: You may find yourself working in groups many times in this course, either during studio sessions or studying with your peers. In all forms of group work, it is important to respect one another. Some examples of positive collaborative behavior include:
(1) Allowing all group members to speak frequently. Please check in with each other to ensure that everyone is following along and has a chance to contribute.
(2) Respecting everyone's pronouns and their unique identities.
(3) Acknowledging that everyone in the group deserves credit for your final solutions.
If you are assigned to a group that does not follow these behaviors, or if you feel that you are not respected by your group, please let us know.

Recordings of class sessions and required permissions: Classes may not be recorded by students without the express consent of the instructor unless it is pursuant to an accommodation granted by the Office of Disability services. Class recordings, lectures, presentations, and other materials posted on Canvas are for the sole purpose of educating the students currently enrolled in the course.
Students may not record or share the materials or recordings, including screen capturing or automated bots, unless the instructor gives permission. Digitally proctored exams may require students to engage the video camera, but those recordings will not be shared with or disclosed to others without consent unless legally permitted.

- For classes where participation is voluntary, students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded.
- For classes requiring class participation, if students are identifiable by their names, facial images, voices, and/ or comments, written consent must be obtained before sharing the recording with persons outside of currently enrolled students in the class.

Academic Dishonesty: All students are expected to comply with the Georgia Tech Honor Code (the honor code can be found at http://osi.gatech.edu/content/honor-code). Any evidence of cheating or other violations of the Georgia Tech Honor Code will be submitted directly to the Dean of Students. Cheating includes, but is not limited to:

- Using an unapproved calculator, books, or any form of notes on tests.

- Collaborating during an online quiz or test.
- Using any third-party websites such as Symbolab, Integral-Calculator, Chegg and CourseHero to obtain answers to graded problems. THIS INCLUDES HOMEWORK AND QUIZ QUESTIONS.
- Copying directly from **any** source, including friends, classmates, tutors, internet sources, or a solutions manual.
- Allowing another person to copy your work.
- Taking a test or quiz in someone else's name, or having someone else take a test or quiz in your name.
- Asking for a regrade of a paper that has been altered from its original form.
- Using someone else's account to gain attendance or homework points for them, or asking someone else to use your account for any graded homework or attendance submission.

Regrading of Papers: If a problem on your paper has been graded in error, you must submit a regrade request through Gradescope and/or Canvas no more than *one week* after the papers have been returned in class. A regrade request should only be submitted if you have done something CORRECT on your paper that has been marked as incorrect. ***Papers submitted for regrades could be adjusted up or down***, so please make sure to check the solutions before requesting a regrade.

Make-Ups: In an emergency situation, a make-up test may be allowed if your instructor is notified prior to the class period and provided with a reasonable, **written** confirmation of your absence. Any make-ups must be completed before the corresponding test has been graded and returned to other students. If an in-person makeup cannot be completed in this time period, an online orally proctored exam may be used as a substitute for the missed test. If you will miss a test due to a university-sponsored event or athletics, please provide your instructor with the official documentation in advance.

Students with Disabilities and/or in need of Special Accommodations: Georgia Tech complies with the regulations of the Americans with Disabilities Act of 1990 and offers accommodations to students with disabilities. If you are in need of classroom or testing accommodations, please make an appointment with the Office of Disability Services to discuss the appropriate procedures. More information is available on their website, http://disabilityservices.gatech.edu/. Please also make an appointment with your instructor to discuss your accommodation, if necessary.

Calculators: While you may need a calculator for help with some of the homework problems, the use of calculators is NOT ALLOWED on assessments.

Announcements: *You are responsible for obtaining any announcements or materials placed on the course Canvas pages.* Please see the list of important websites on the first page of the syllabus.

Additional Help: *Asking questions is a key to success!* Free "drop-in" help is available in the **Math Lab**. The Math Lab is staffed by math Graduate Teaching Assistants (GTAs). Out of an abundance of caution due to the COVID-19 pandemic, the math lab will take on two forms this semester:

- "Virtual Math Lab" from Aug. 30th – Sept.10th via online, BlueJeans/Teams
- "Outdoor Math Lab" from Sept. 13th – Dec. 7th via in-person, Skiles Courtyard

Hours will include Monday-Thursday's 11am-6pm and Friday's 11am-3pm. Should health concerns change the format and availability of the Math Lab, announcements will be posted on the course Canvas page. A live schedule can always be found on the Tutoring & Academic Support website: https://tutoring.gatech.edu/drop-in/. Any questions about the Math Lab can be directed to dropintutoring@gatech.edu.

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Campus Resources for Students

In your time at Georgia Tech, you may find yourself in need of support. Below you will find some resources to support you both as a student and as a person.

Academic support

- Tutoring and Academic Support: https://tutoring.gatech.edu
  - 1-to-1 tutoring https://tutoring.gatech.edu/tutoring/
  - Peer-Led Undergraduate Study (PLUS) https://tutoring.gatech.edu/plus-sessions/
  - Academic coaching: https://advising.gatech.edu/academic-coaching
- Residence Life's Learning Assistance Program https://housing.gatech.edu/learning-assistance-program
  - Drop-in tutoring for many 1000 level courses
- OMED: Educational Services (http://omed.gatech.edu/programs/academic-support)
  - Group study sessions and tutoring programs
- Communication Center (http://www.communicationcenter.gatech.edu)
  - Individualized help with writing and multimedia projects
- Academic advisors for your major http://advising.gatech.edu/

Personal Support

Georgia Tech Resources

Dean of Students Office, CARE Center, Counseling Center, Stamps Health Services, and the Student Center: The **CARE Center** and the **Counseling Center**, Stamps Health Services, and the Dean of Students Office will offer both in-person and virtual appointments. Student Center services and operations are available on the **Student Center** website. For more information on these and other student services, contact the Dean of Students or the **Division of Student Life**.

- The Office of the Dean of Students: http://studentlife.gatech.edu/content/services; **404-894-6367**; Smithgall Student Services Building 2nd floor
  - You also may request assistance at https://gatech-advocate.symplicity.com/care_report/index.php/pid383662?
- Counseling Center: http://counseling.gatech.edu; **404-894-2575**; Smithgall Student Services Building 2nd floor
  - Services include short-term individual counseling, group counseling, couples counseling, testing and assessment, referral services, and crisis intervention. Their website also includes links to state and national resources.
  - *Students in crisis may walk in during business hours (8am-5pm, Monday through Friday) or contact the counselor on call after hours at **404-894-2204**.*
- Students' Temporary Assistance and Resources (STAR): http://studentlife.gatech.edu/content/need-help
  - Can assist with interview clothing, food, and housing needs.
- Stamps Health Services: https://health.gatech.edu; **404-894-1420**
  - Primary care, pharmacy, women's health, psychiatry, immunization and allergy, health promotion, and nutrition
- OMED: Educational Services: http://www.omed.gatech.edu
- **Women's Resource Center: http://www.womenscenter.gatech.edu; 404-385-0230**

- **LGBTQIA Resource Center: http://lgbtqia.gatech.edu/; 404-385-2679**
- **Veteran's Resource Center: http://veterans.gatech.edu/; 404-385-2067**
- **Georgia Tech Police: 404-894-2500**

Statement of Intent for Inclusivity

As a member of the Georgia Tech community, I am committed to creating a learning environment in which all of my students feel safe and included. Because we are individuals with varying needs, I am reliant on your feedback to achieve this goal. To that end, I invite you to enter into dialogue with me about the things I can stop, start, and continue doing to make my classroom an environment in which every student feels valued and can engage actively in our learning community.

Please note: *items on the syllabus and course schedule are subject to change. Any changes to the syllabus and/or course schedule will be relayed to the students in class and through e-mail.*

Important Dates Throughout the Term

23August – First Day of Classes
6 September – Labor Day Holiday (No Class)
22 September – Quiz #1
4 October – Progress Reports Due
6 October – Quiz #2
11-12 October – Fall Recess (No Class)
30 October – Last day to withdraw with a grade of "W"
3 November – Quiz #3
24-26 November – Thanksgiving holiday (No Class)
1 December – Quiz #4
6-7 December – Final Instructional Days
9 December – Final Exam

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Math 1552 Instructor and TA Contact Information

Course Instructors:

Section	Instructor	Instructor Contact Information	Class Times and Locations	Instructor Office Hours
A	Dr. Hwi Lee	hlee995@gatech.edu Office: Skiles 017	MWF 8:25-9:15 AM, Boggs B9	Mondays and Wednesdays, 9:30-10:30 AM in Clough 248
B	Mr. Hugo Zhou	hzhou92@gatech.edu	MWF 8:25-9:15 AM, Howey Physics L3	Tuesdays and Wednesdays, 4:00-5:00 PM in Clough 248
C	Dr. Naga Manasa Vempati	nvempati6@gatech.edu	MW 9:30-10:20 AM, Paper Tricendental 109 F 9:30-10:20 AM, Boggs B9	Mondays, 1:00-3:00 PM online
E	Dr. Beibei Liu	bliu96@gatech.edu	M 11:00-11:50 AM, online W 11:00-11:50 AM, Boggs B9 F 11:00-11:50 AM, Kendada 152	Wednesdays and Fridays, 9:40-10:40 AM online
F	Ms. Klara Grodzinsky	klara.grodzinsky@math.gatech.edu Office: Skiles 232 Office phone: 404-894-4397	M 11:00-11:50, Instructional Center 103 W 11:00-11:50 AM, online F 11:00-11:50 AM, College of Computing 16	Mondays and Fridays, 11:50 AM-12:15 PM following class; Wednesdays, 1:00-2:00 PM online; and by appointment

Teaching Assistants:

Section(s)	*TA*	*Email Address*	*Studio Times and Location*	*Office Hours*
A01/A02	Alexandra Newlon	anewlon3@gatech.edu	TR 9:30-10:20, Skiles 249 TR 8:25-9:15, Skiles 254	Tues 11:00-12:00, Math Lab
A03	Tong Jin	tjin44@gatech.edu	TR 8:25-9:15, Skiles 255	Mon 1:00-2:00, Math Lab
B01	Athulya Ram	athulya@gatech.edu	TR 8:25-9:15, Skiles 268	Wed 2:00-3:00, Math Lab
B02/B03	Allegra Allgeier	aallgeier6@gatech.edu	TR 8:25-9:15, Skiles 246 TR 9:30-10:20, Skiles 154	Fri 2:00-3:00, Math Lab
C01	Evgeniia Korchevskaia	ekorchev@gatech.edu	TR 12:30-1:20, Skiles 256	Fri 1:00-2:00, Math Lab
C02/C03	Skye Binegar	sbinegar3@gatech.edu	TR 2:00-2:50, Skiles 169 TR 12:30-1:20, Skiles 169	Mon 12:00-1:00, Math Lab
E01	Jenna Zaidspiner	jzaidspiner3@gatech.edu	TR 8:25-9:15, Skiles 270	Mon 12:30-1:30, Clough 280
E02/E04	Jose Acevedo	jga6@gatech.edu	TR 8:25-9:15, Skiles 170 TR 9:30-10:20, Skiles 170	Thurs 4:000-5:00, Math Lab
E03	Kewal Khatiwala	kkhatiwala3@gatech.edu	TR 9:30-10:20, Skiles 256	Thurs 10:30-11:30, Skiles 232
F01/F03	Yuqin Yang	yyang767@gatech.edu	TR 12:30-1:20, Skiles 368 TR 2:00-2:50, Skiles 154	Thurs 3:00-4:00, Math Lab
F02/F04	Biraj Dahal	bdahal6@gatech.edu	TR 12:30-1:20, Skiles 270 TR 2:00-2:50, Skiles 269	Fri 11:30-12:30, Math Lab
F05	Daniel Minahan	dminahan6@gatech.edu	TR 2:00-2:50, Skiles 171	Tues 1:00-2:00, Math Lab
F06	Kevin Yin	kevin.yin@gatech.edu	TR 12:30-1:20, Skiles 156	Thurs 3:30-4:30, Clough 280

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Tentative Course Schedule

Please use this as an approximate class schedule; section coverage may change depending on the flow of the course. Review days/topics may be changed or cancelled in the event of inclement weather or campus closures.

Week	*Mon*	*Tues*	*Wed*	*Thurs*	*Fri*
1	Aug 23 Introduction to Math 1552	Aug 24 Introduction to Studios and Derivative review	Aug 25 Section 4.8: Anti-derivatives	Aug 26 HW: Try review problems on MyMathLab.	Aug 27 Sections 5.1-5.2: Area under the curve
2	Aug 30 Section 5.3: The Definite Integral *Don't forget to complete the welcome survey and syllabus quiz!*	Aug 31 Memorize the formulas in section 4.8! HW 1due: sections 4.8, 5.1-5.2	Sep 1 Section 5.3, continued	Sep 2	Sep 3 Section 5.4: The Fundamental Theorem of Calculus
3	Sep 6 **NO CLASS** Labor Day Holiday	Sep 7 HW 2 due: section 5.3-5.4	Sep 8 Section 5.4, continued	Sep 9	Sep 10 Section 5.5: Integration by Substitution
4	Sep 13 Section 5.6: Area Between Curves	Sep 14 HW 3 due: sections 5.5-5.6	Sep 15 Section 8.2: Integration by Parts	Sep 16	Sep 17 Section 8.2, continued
5	Sep 20 Section 8.3: Integration of Products and Powers of Trig Functions	Sep 21 HW 4 due: section 8.2	Sep 22 Review for Quiz 1 Quiz #1, Sections 4.8, 5.1-5.6	Sep 23 NO STUDIO TODAY	Sep 24 Section 8.3, continued
6	Sep 27 Section 8.4: Trigonometric Substitution	Sep 28 HW 5 due: section 8.3	Sep 29 Section 8.4, continued	Sep 30	Oct 1 Section 8.5: Partial fractions
7	Oct 4 Section 8.5, continued	Oct 5 HW 6 due: sections 8.4-8.5	Oct 6 Review for Quiz 2 Quiz #2, Sections 8.2-8.5	Oct 7 NO STUDIO TODAY	Oct 8 Section 4.5: L'Hopital's rule
8	Oct 11 **NO CLASS** **Fall Recess**	Oct 12 **NO CLASS** **Fall Recess**	Oct 13 Section 8.8: Improper Integrals HW 7 due: section 4.5	Oct 14	Oct 15 Section 8.8, continued
9	Oct 18 Section 10.1: Sequences	Oct 19 HW 8 due: section 8.8	Oct 20 Section 10.2: Infinite Series	Oct 21	Oct 22 Section 10.2, continued

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10	Oct 25 Section 10.3: The Integral Test	Oct 26 HW 9 due: sections 10.1-10.2	Oct 27 Section 10.4: Comparison Tests	Oct 28	Oct 29 Section 10.4, continued
11	Nov 1 Section 10.5: Ratio and Root tests	Nov 2 HW 10 due: sections 10.3-10.4	Nov 3 Review for Quiz 3 Quiz #3, Sections 8.8, 10.1-10.4	Nov 4 NO STUDIO TODAY	Nov 5 Section 10.6: Alternating Series
12	Nov 8 Section 10.6-10.7: Alternating series and Power series	Nov 9 HW 11 due: sections 10.5-10.6	Nov 10 Section 10.7: Power series	Nov 11	Nov 12 Section 10.7, continued
13	Nov 15 Sections 10.8-10.9: Taylor polynomials and series	Nov 16 HW 12 due: section 10.7	Nov 17 Sections 10.8-10.9, continued	Nov 18	Nov 19 Sections 10.8-10.9, continued
14	Nov 22 Sections 10.8-10.9, continued	Nov 23	Nov 24 **Thanksgiving Holiday**	Nov 25 **Thanksgiving Holiday**	Nov 26 **Thanksgiving Holiday**
15	Nov 29 Section 6.1: Volumes by Disks	Nov 30 HW 13 due: sections 10.8-10.9	Dec 1 Review for Quiz 4 Quiz #4, Sections 10.5-10.9	Dec 2 NO STUDIO TODAY	Dec 3 Section 6.2: Volumes by Shells
16	Dec 6 Review for Final Exam	Dec 7 Last Day of Class HW 14 due: sections 6.1-6.2	Dec 8 Reading Day	Dec 9 **Final Exam 6:00-8:50 PM**	Dec 10
17	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17