MATH 1554 Common Syllabus

Linear Algebra, Sections A/G, 4 credits

Summer 2026

1. Instructor Information

Section A: TBD
Section G: TBD

2. Course Description, Goals, Objectives, and Topics

The primary goal of Math 1554 is to prepare students to succeed in upper-level courses that require this course as a pre-requisite. To this end we will:

- Explore fundamental concepts of linear algebra from a mathematical perspective.
- Discuss study strategies during lecture and studio to help prepare students for exams.

Learning objectives articulate what students are expected to do in a course. The learning objectives for this course are as follows.

1. Construct, or give examples of, mathematical expressions that involve vectors, matrices, and systems of linear equations. For example: construct an invertible matrix with four columns that is not diagonalizable.
2. Evaluate mathematical expressions to compute quantities that deal with linear systems and eigenvalue problems. Examples: compute the singular value decomposition of a given matrix, or construct the LU decomposition of a rectangular matrix.
3. Analyze mathematical statements and expressions. For example: assess whether a given statement is accurate, or describe solutions of systems in terms of existence and uniqueness.
4. Write logical progressions of abstract mathematical arguments. For example, to explain why a square matrix with linearly independent columns is invertible.
5. Apply linear algebra concepts to model, solve, and analyze real-world situations.

6. Identify course-related information, policies, and procedures that are contained in the syllabus and related course websites.

Topics indicate what material is covered in a course. Some of the topics explored in this course are:

- Methods for solving systems of linear equations, such as row reduction and matrix decompositions such as the LU and SVD decompositions.
- Geometry of linear transformations.
- Characterizations of invertible matrices and determinants.
- Eigenvalue and eigenvectors, and their uses.
- The structure of a linear transformation, including decompositions, such as LU, spectral or singular value decompositions.
- Orthogonal projections and their application to determine best-fit solutions to over-determined systems of linear equations.

This is a Core IMPACTS course that is part of the Technology, Mathematics, and Sciences area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students' broad academic and career goals.

This course should direct students toward a broad Orienting Question:

- How do I ask scientific questions or use data, mathematics, or technology to understand the universe?

Completion of this course should enable students to meet the following Learning Outcome:

- Students will use the scientific method and laboratory procedures or mathematical and computational methods to analyze data, solve problems, and explain natural phenomena.

Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Inquiry and Analysis
- Problem-Solving

- Teamwork

3. Course Materials: Textbook and Course Websites, Title II Compliance

The textbook is optional. An ebook is included with a MyMathLab subscription if you choose to do the paid homework instead of the free WeBWorK option.

Textbook: Lay, Linear Algebra and its Applications, 6th Edition.
Textbook and Homework: www.mymathlab.com (Use the link on our course Canvas page.)
Course Website: canvas.gatech.edu
Master Website: https://gatech.instructure.com/courses/114544

Title II Compliance: In accordance with federal law, only accessible files will be posted on Canvas for student usage. Unfortunately, that means we are unable to post, email, or otherwise share materials that are not in such format. For instance, we are prohibited from posting handwritten class notes. To obtain those materials, please be sure to attend your class lectures. If you miss class, video recordings are available for you to utilize for note-taking purposes.

4. Expectations

4.1 Students

Attendance

Students are expected to attend all lectures and studios unless feeling sick, and 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.

- Refrain from conversing with your fellow students.
- Put away any reading materials unrelated to the course.

Seating in our classrooms is limited. As space must be guaranteed for all registered students, please do not attend a lecture or studio section for which you are not registered. The instructors and TAs reserve the right to remove unregistered students from their classrooms.

Other

Students are also expected to complete all assignments on time, study the subject matter outside of class, review this syllabus, review their graded work in a timely manner for potential marking errors and to review where mistakes were made (if any), and ask for help when needed. A few suggestions on how to succeed in this class include:

- It is best to read the corresponding portion of the book right before it is covered in class.
- Do all homework, including attempting the MyMathLab/WeBWorK homework before the lecture where it is covered.
- Attend lectures and studios; while some rare individuals can do well without going to class, there is strong evidence that those who attend most lectures and studios get a better grade.
- Join/form a study group: explaining ideas to others helps clarify them for yourself, not to mention that your peers may have something to teach you too, and most importantly, to tell you when you are wrong.
- Always go to review sessions.
- Do not hesitate to ask questions (in class and on Piazza), come to the instructor's and/or TA's office hours, etc.

4.2 Teaching Assistants (TAs)

TAs are responsible for facilitating learning activities during studio and administering the in-studio quizzes, holding office hours, and responding to questions from students on Piazza or via email and during office hours and studio.

4.3 Instructor

Instructors provide learning objectives that define what students are expected to be able to learn, facilitate interactive lectures, coordinate with teaching assistants to facilitate

learning activities, provide students with assessments that both develop and measure your understanding and knowledge of the subject matter, provide feedback on your performance, provide solutions to midterms, and be available for assistance when requested.

5. Announcements

Students are responsible for obtaining announcements and materials placed on the course website (Canvas). Please join our class page on Piazza so you can view/participate in course-related discussions.

6. Preparing for Midterms and the Final Exam

Practice materials and additional office hours will be offered prior to midterms and the final exam. Depending on your goals, you may need to complete additional work beyond MML homework, worksheets, and practice midterms to adequately prepare for the exams.

7. Grades

Final grades are calculated using the following grade weighting. Unless otherwise stated all assessments with the exception of MyMathLab/WeBWorK assignments are equally weighted with others of the same type - e.g., all Quizzes are weighted the same, and all Exploration assignments are weighted the same.

MQEW Score	25%
Best Midterm	20%
Middle Midterm	20%
Worst Midterm	15%
Final Exam	20%

Georgia Tech only distributes letter grades. Numerical grades are converted to letter grades based on the standard intervals:

A: [90%, 100%], B: [80%, 90%), C: [70%, 80%), D: [60%, 70%), F: [0%, 60%).

Students should not expect any changes to these intervals and any changes made to them will only be made after the final exam is graded and course grades are calculated. Percentage grades are not rounded to the nearest integer before conversion to letter grades. For example, 89.99999% is converted to a B, and 79.9999% is converted to a C, and so on.

7.1 Grade Curves

Quiz, midterm and final exam grades will not be curved. Boundaries between letter grades may be lowered. But the extent to which they could be can only be determined after all final exams has been graded.

7.2 CIOS Incentive

Please take a few moments towards the end of the semester to complete the CIOS survey. CIOS survey results have informed many improvements to this course in recent years, and your results will help the School of Math decide how to allocate resources to this course and what directions we should take in the near future. Your instructors also use CIOS data to help improve their teaching from course to course.

To help encourage students to complete the CIOS survey, if the completion rate is above 85% for an entire class by the day after the final exam, then a 2% bonus will be added to each student's Final Exam score, not to exceed a perfect score of 100%.

Please do not ask for updates on the CIOS completion rate on Piazza: students should be using Piazza at that point in the semester to prepare for final exams.

More information about the CIOS is available at:
https://academiceffectiveness.gatech.edu/surveys/cios.

8. MQEW Score (MyMathLab/Quizzes/Explorations/Exam Wrappers), Exams, Final Exam Policies

Your MQEW Score in the course is calculated as your total number of MQEW pts out of **70pts possible as a maximum**. There will be approximately 120pts available, so you only need to accumulate about half of the available MQEW pts to obtain a perfect MQEW Score and receive the full 25% MQEW portion of your course grade. There are four ways to accumulate MQEW pts: **M**yMathLab/WeBWorK homework assignments, In-studio **Q**uizzes, **E**xploration assignments, and Exam **W**rappers. There is also a Quiz 0 Syllabus Quiz which is open during the first two weeks of class and which is worth 6pts MQEW.

Any MQEW points that a student obtains over the semester over the 70pt cap will be converted to final exam bonus points at a conversion rate of 1pt MQEW = 0.05% Final Exam Average bonus. For example, if a student obtains 120pts MQEW for the semester then the student will receive an additional 2.5% Final Exam score bonus, which would be in addition to the CIOS bonus if this is also achieved by the class. This bonus also will not allow the Final Exam score to exceed a perfect score of 100%.

Students who are disruptive in class may receive a deduction on their total MQEW score (out of approximately 120pts available) to be assessed at the end of the semester, at the discretion of the instructor. Repeated offenses will be referred to OSI and the Dean of Students.

8.1 MyMathLab/WeBWorK Homework

Homework is assigned on-line and consist of exercises on MyMathLab (MML) or WeBWorK.

On the last day of lecture/studio at the end of the semester the total number of points accumulated by each student in each platform will be calculated. Students can use either platform throughout the semester, but only the higher of the two totals will count towards the homework portion of your grade.

You are expected to understand all homework problems before all midterms and the exam. In order to increase the effectiveness of lectures, you should **always attempt homework problems before lectures**. There may be homework due the final week of class. MML/WeBWorK homework is generally due the last day the topic is covered in studio. This is intentional, as it encourages students to attempt the homework before studio and helps prepare them for studio activities.

In MyMathLab/WeBWorK homework you have unlimited number of attempts but the problem will change to a similar one after 3 attempts (click in similar exercises to get another problem). Thus nothing stops you from getting 100% on each homework if completed before the deadline. There is a 20% late submission penalty for any homework assignment that is submitted after the deadline. You are free to continue to work on the assignment after the deadline expires, but you will be assessed the 20% penalty even if more than 80% of the work was completed before the deadline. **Please do not ask for extensions on the MML/WeBWorK assignments or ask for the late penalty to be removed.** Any missed points on the homework assignments should be made up using the MQEW policy which allows for the In-studio Quizzes or the Exploration assignments to make up missing points in any of the MQEW categories.

There will be approximately 183 MyMathLab and WeBWorK points among the assignments this semester, which are converted to MQEW pts at a rate of 1pt MML = 0.2pt MQEW and

1pt WeBWorK = 0.2pt MQEW. This means that there will be approximately **36pts MQEW** from the MyMathLab/WeBWorK assignments. Note that only the **larger** total of your accumulated MQEW points in either MyMathLab or WeBWorK will count towards your MQEW portion of your course grade.

Note that due to institute policy the last day to complete any MML/WeBWorK homework for course credit is **the last day of studio**.

8.2 In-studio Quizzes

In-studio quizzes will begin at the earliest during the second week of classes and will occur periodically during studio, except during exam weeks. Each quiz is worth 3pts with one or two questions that should be easy to complete if you have prepared for the studio session and cover the same material that has been covered up to that day in studio. Students will have 5-10 minutes to complete the quiz. Electronic devices, including calculators, may not be used during in-studio quizzes.

Studio quizzes are meant to encourage attendance and as such, any student leaving studio early, showing up late, or taking a quiz in the any section other than the section they are registered for will receive a zero on the quiz that day.

There will be approximately ten (7) in-studio Quizzes worth 4pts each, and one Quiz 0 (Syllabus Quiz) worth 8pts for a total of approximately **36pts MQEW**.

8.3 Exploration

The purpose of exploration activities is to help students gain a deeper understanding of course concepts, come to class more prepared, offer feedback to the instructors on student understanding and course activities, and help students become more aware of their level of understanding of course material. Explorations are open note, open book, you can use any online calculator or MATLAB or online resource such as Chegg, and you can talk about explorations with each other or your instructor - ask for clarification or hints on Piazza; however, your work on the exploration must be **entirely your own**, and instances of plagiarism will be reported to OSI for disciplinary action and you will receive a zero on the assignment in question.

Students using sources without citation, copied without attribution and submitted on an Exploration assignment are subject to disciplinary action through OSI (with the exception of online calculators, or MATLAB).

If you are caught inappropriately using Chegg, Reddit, or plagiarizing any source or other student's work you will be referred to the Dean of Students for academic misconduct (See the section 11.2 Academic Integrity for more details) - you will get a zero for the assignment

and also forfeit any class bonus (e.g., up to +4.5% final exam bonus for additional MQEW points, including the CIOS bonus, or any other class bonus from the semester) in the case of academic dishonesty or inappropriate use of Chegg. You can get **ideas** from other people, use Chegg or a calculator or any online resource, in order to better understand the question or get help figuring out what you are supposed to do, but **what you submit** must be your own ideas and work (but you can use a calculator without citation except for exams).

There will be 9 graded 4pt exploration assignments for a total possible **36pts MQEW** available from exploration points, and the details of each week's assignment is available at the Explorations page, or you can download the template in Gradescope. Explorations must be handwritten, unless it is a MATLAB exploration in which it must be typed. Explorations are due by Sunday at midnight in Gradescope, no late work submitted for any reason, no exceptions. Like in-studio quizzes, Explorations will begin during the third week of classes.

8.4 Exam Wrappers

An exam wrapper is a short reflective assignment completed after an exam that asks you to think carefully about how you prepared, how you performed, and what strategies were effective or ineffective. The goal of an exam wrapper is not to rework exam problems, but to help you identify patterns in your studying, understand the types of mistakes you made, and make adjustments that can improve your performance on future exams. Research has shown that this kind of structured reflection can lead to better learning and stronger exam outcomes over time.

After each midterm grade is released on Gradescope, an exam wrapper assignment will be posted for you to complete. You will have one week from the time it is released to submit the assignment. Each exam wrapper is worth 4pts MQEW, for a total of **12pts MQEW**.

8.5 Midterms

The midterms are in person, 75-minute exams which are proctored in the regular lecture classroom on campus. Dates are on the course schedule. Midterms cover the following sections.

- Midterm 1: Covers all sections that were covered in lecture, up to and including Section 2.1
- Midterm 2: Covers all sections that were covered in lecture, up to and including Section 5.2

- Midterm 3: Covers all sections that were covered in lecture, up to and including Section 6.6

The list of which sections are covered in lecture as well as the course and section level learning objectives can be found on the Learning Goals and List of Sections Covered page. In this class we do not cover sections 1.6, 1.10, 2.6, 2.7, 4.1 to 4.8, 5.4, 5.6, 5.7, 5.8 and 7.5. Students are not expected to be familiar with the material in these sections.

Students have sample midterms to help prepare for the midterm exams, and to see how midterms are structured.

Procedures for the in person midterms are as follows.

- All midterms will be administered on paper exams and will be taken **in person at the regular lecture time and location on the dates indicated in the schedule at the end of the syllabus.** Any requests for flexibility in the exam dates or modes will be denied. Exam make-ups will also be in-person and will only be provided for *excused* absences, and not for personal travel. **No exceptions will be made to the in-person examination policy, so please be sure you will be present on campus for those dates.**
- No notes, textbook, calculators, or phones are allowed.
- Students may have something to write with and an eraser. There will be blank paper for scratch work provided and collected after the exam by your proctor. Please write any work you want graded on your booklet, not on the blank scratch paper which is not graded in Gradescope.
- Other than writing implements, your GTID, and a water bottle, you are not allowed any personal belongings at your desk during the exam. All belongings, including your cell phone must be zipped into your bag and left at the front of the classroom. **Phones may NOT be left in your pocket or on your person. If you are caught with a phone on your person or at your workspace, it will be considered as academic misconduct and your score on the exam will be a zero.**
- Bathroom breaks are not allowed, unless it is an emergency or you have a medical condition that makes it necessary. Please try to take care of this before the assessment, whenever possible.
- Electronic devices, websites, outside help, calculators, and cellphones are strictly prohibited. Any student suspected of violating this policy will be referred to the Dean of Students for immediate disciplinary action including receiving a zero on the quiz or exam where the violation occurred.

- Students will be permitted to review their quiz/exam and the correct answers in Gradescope, after everyone has taken the quiz/exam, and after any make-up quiz/exams have been administered. **Please do not ask** when grades/exams/quizzes will be released **unless more than one week has passed** since the assessment.
- To reiterate: Quiz and Exam scores are **automatically released** one week after the scheduled date. *Please do not ask when grades will be released*.
- Students who are unable to take a midterms or the final exam for any reason are responsible for notifying their instructor prior to the exam and as soon as possible.

8.6 Re-grade Requests

- If any of your work has been graded in error, you should use the grade correction request feature in Gradescope, go to the problem in the assignment that you want regraded and find the "Request Regrade" button.
- A re-grade request can only be submitted if **you did something correct that was marked as incorrect.**
- You must check your answers with the solutions before submitting such a request.
- Include in your re-grade request the following information: *which rubric item was not applied correctly?*
- Regrade requests for midterm exams must be submitted **within one (1) week** of when grades are published in Gradescope. After one week from the grades being published and when the regrade request window expires, the exam is **not eligible** for a regrade request.
- In-studio quizzes are **not eligible** for regrade requests. If you miss a point on an in-studio quiz please make it up by doing an extra assignment in the MQEW category.
- Exploration assignments are **not eligible** for regrade requests. If you miss a point on an exploration assignment please make it up by doing an extra assignment in the MQEW category.
- If it becomes a problem, students who submit regrade requests which do not meet the above criterion (e.g., the second bullet) will be assessed a minimum of a -1pt MQEW penalty, which will be deducted from their total MQEW points at the end of the semester.

- Papers submitted for regrades could be adjusted **up or down**, so please make sure to check the solutions and Gradescope rubric before requesting a regrade.

9. Illnesses, Emergencies, Absences

9.1 MyMathLab/WeBWorK Homework and In-studio Quizzes

There is a 20% late penalty for late homework. In the instance of illness, emergency, or absence the student should make up the work as soon as possible and then regain the lost points using the MQEW policy by completing an additional In-studio Quiz or Exploration assignment to ensure that the 70pt MQEW cap is reached after the 20% late penalty on the assignment is assessed.

In-studio Quizzes are not eligible for make-ups, and are not eligible for regrade requests. If you miss an In-studio quiz due to illness, emergency, or absence the student should regain the lost points using the MQEW policy by completing an additional MyMathLab/WeBWorK or Exploration assignment to ensure that the 70pt MQEW cap is reached.

8.2 Midterm Exams, Final Exam

Any student who is unable to attend one midterm exam, with reasonable explanation, might have an opportunity to take a make-up.

- Students who miss a single midterm exam for any reason must notify their instructor in advance and as soon as possible to make necessary arrangements. With rare exceptions, acceptable reasons for missing an exam are limited to illness, family emergency, court appearance, and taking part in Georgia Tech events.
- Students who will miss a midterm or final exam due to a university-sponsored event or athletics must provide their instructor with the official documentation in advance.
- Make up midterms will always be scheduled within one week of the original exam date, typically 6 days following the original exam. Situations where it is not possible to take the make-up are handled on a case-by-case basis. The student might be given an EX (excused) grade in the Canvas Gradebook and the average of the remaining midterms will be used for the corresponding portion of their final grade - see below for more details.

Note regarding Dean of Students letters: Please do not contact the Dean of Students unless asked for routine illness requiring a make-up exam. We will be flexible to allow **one**

make-up exam per student this semester. Any student who is ill for both the regularly scheduled exam and the make-up exam will be given an excused score - the midterm score will be replaced by the average of the other two midterm exam scores - but only if both (1) the student's condition is severe enough to warrant missing both the regular exam and the make-up exam which are six days apart, and (2) there is an accompanying letter from the Dean of Students requesting special consideration. Students will **not be permitted** to take more than one make up exam in any circumstances, even if you are sick. In the case you miss two exams, the second exam will be given a score of zero, so please do not request a make-up exam unless you are really unable to attend the exam.

There will be no make-up final exams. Students who miss the final exam due to travel plans will receive a zero. Students who miss the final exam for a valid reason might qualify for an **incomplete**. Incompletes can only be assigned under specific circumstances that are defined on the Office of the Registrar's website: https://registrar.gatech.edu/info/incomplete-grades

10. After the Final Exam

10.1 The Final Exam

Please note the following procedures in regards to the final exam.

- The final exam will be administered in person similar to the midterm exams.
- The final exam is usually not returned to students.
- Students are welcome to schedule an appointment with their instructor after final grades have been submitted to view their final exam.

10.2 Course Grades

Student final course grades will be posted on Canvas. Students can also check what their final course average is based on the grade weights in this syllabus with the listed MQEW/midterm/final grades in Canvas.

Any changes made to final grades after the date final grades are submitted to the registrar must be made in accordance with GT Policies. See:

- https://registrar.gatech.edu/info/grade-changes
- https://registrar.gatech.edu/faculty-and-staff/grading-and-grade-entry

The value of a Georgia Tech degree is in some measure determined by upholding reasonably rigorous grading procedures: please respect the grading policies set out in this syllabus and by Georgia Tech.

10.3 Piazza

Naming Guidelines for MATH 1554

Please use the following naming guidelines when creating a new post.

[Name_of_Assignment] #[question_number] [question_summary]

So for example, if you have a question about the second exam, problem 4, and you don't know how to start the problem then your post should be named "Exam 2 #4 How do you start it?".

If for example you have a question about problem 4 on a MyMathLab assignment from Section 1.1, where you can't get the computer to accept your answer then you would name your post "MyMathLab 1.1 Linear Systems: Problem 4 How to enter answer?".

Everyone needs to use the naming guidelines, sorry about that. Before the guidelines, it was really inefficient that many people would ask the same question over and over, so this semester we will all use the naming guidelines whenever you want to ask a question to avoid duplicate posts. Last semester we used the guidelines and it was much better, so please try to follow them.

If you forget or didn't know about it, you will be asked to change your title. Everyone should get the hang of it in a few weeks, hopefully.

11. MyMathLab and Course Textbook

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 "Pearson Access" 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.

Purchasing Your Code

- 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 Canvas, click the Pearson Access tab on the left. You do not need a 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).

Textbook Hardcopies

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 MyMathLabcode 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.

12. Class Policies and Statements

12.1 Email Etiquette

When sending email to your instructor or TA, please use your GT email account. Please also indicate which class you are taking with your instructor (your instructors teach more than one course per semester), keep your email messages as succinct as possible, but give your instructor enough information as they need to process your request.

12.2 Academic Dishonesty

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review Georgia Tech's Honor Code and the student Code of Conduct.

Any student suspected of cheating or plagiarizing on any exam will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Any evidence of cheating or other violations of the Georgia Tech Honor Code will be submitted directly to the Dean of Students, and results in a zero for the assignment and the forfeiture of any class bonus, and the zero can not be replaced with other points in the MQEW category. Cheating includes, but is not limited to the following.

- Using a calculator, cell phone, books, or any form of notes on exams.
- Copying directly from **any** source during an exam, including friends, classmates, Reddit or another online forum, or a solutions manual.
- Allowing another person to copy your work, or posting your work to an online forum before grades are released/after everyone has taken the quiz/exam.
- Taking a test using someone else's name, or having someone else take a test in your name.
- Asking for a re-grade of a paper that has been altered from its original form.
- Using someone else's name to take tests for them, or asking someone else to use your identity for any graded or participation submission.

12.3 Students with Disabilities and/or in need of Special Accommodations

If you are a student with learning needs that require special accommodation, contact the Office of Disability Services (404-894-2563) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

12.4 Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. The Student-Faculty Expectations articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

12.5 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.

12.6 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

- Center for Academic Success http://success.gatech.edu
    - Tutoring https://www.success.gatech.edu/tutoring/
    - Peer-Led Undergraduate Study (PLUS) http://success.gatech.edu/tutoring/plus
    - Academic coaching https://www.success.gatech.edu/retention/academic-coaching/
- Communication Center (http://www.communicationcenter.gatech.edu)
- Individualized help with writing and multimedia projects
- Academic advisors for your major https://gatech.navigate.eab.com

Personal Support

Georgia Tech Resources

- The Office of the Dean of Students: https://studentlife.gatech.edu/about/dean-students; **404-894-6367**; Smithgall Student Services Building 2nd floor
    - You also may request assistance at https://studentlife.gatech.edu/services/academic-financial-personal-assistance
- 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): https://star.studentlife.gatech.edu/
    - 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
- Veteran's Resource Center: http://veterans.gatech.edu/; 404-385-2067
- Georgia Tech Police:404-894-2500

Math Lab

Asking questions is a key to success! Free "drop-in" help is available in the **Math Lab** (Clough 280). The Math Lab is staffed by math Graduate Teaching Assistants (GTAs). 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.

13. Chapter Titles

Chapters referred to in the schedule above are as follows.

- Chapter 1: Linear Equations in Linear Algebra
- Chapter 2: Matrix Algebra
- Chapter 3: Determinants
- Chapter 4: Vector Spaces
- Chapter 5: Eigenvalues and Eigenvectors
- Chapter 6: Orthogonality and Least Squares
- Chapter 7: Symmetric Matrices and Quadratic Forms

The section titles can be seen on the Learning Goals and List of Sections Covered page.

14. Disclaimer

Although the MATH 1554 instructors strive to supply accurate information, items on the syllabus are subject to change. Any changes to the syllabus will be relayed to the students in lecture and through Canvas.