

Course Overview for MATH 1554

Fall 2024

Georgia Institute of Technology

Course Information

- Instructor: Daesung Kim (dkim3009@gatech.edu)
- Office: Skiles 023
- Time and Place: Section B, MWF 8:25am, Weber SST III 1 / Section K, MWF 2:00pm, Instructional Center 111
- Office Hour: TBA
- Textbook: Lay, Linear Algebra and its Applications, 5th Edition

Canvas

- access to grades
- announcement (enable email notification)
- access to Gradescope, Zoom, Pearson (MyMathLab), WebWork, Piazza.

Personal webpage: <https://daesungk.github.io/teaching/math1554-f24/>

- Course schedule
- Annotated Lecture Notes
- Links

Grading Policy

- MQE: 25%
- Three Midterms: 20% (best and middle), 15% (worst)
- Final: 20%
- Cutoffs: F :[0, 60); D :[60, 70); C :[70, 80); B :[80, 90); A :[90, 100].
- If needed, curving will be done at the end of the semester on the overall final grade.

MQE (HW, Quizzes, Exploration)

HW

- Either MyMathLab (Pearson) or WebWork (Canvas - assignments)
- For detail, see syllabus and Piazza post.
- There will be approximately 183 MyMathLab and WeBWork points among the assignments this semester, which are converted to MQE pts at a rate of 1pt MML = 0.3pt MQE and 1pt WeBWork = 0.3 MQE.
- This means that there will be approximately 54pts MQE from the MyMathLab/WeBWork assignments. Note that only the larger total of your accumulated MQE points in either MyMathLab or WeBWork will count towards your MQE portion of your course grade.
- Note that only **the larger total** will count towards your course grade.

Quizzes

- Administered in paper, upload photo to Gradescope
- 5 minutes
- Closed book/notes, no calculator
- Your work must be your own
- Held during studio on most days (11 total for the semester)
- There is also a Quiz 0 Syllabus Quiz which is open during the first two weeks of class and which is worth 12pts MQE.
- Total approximately 45pts MQE.

Exploration

- Submit on Gradescope, Link to Gradescope in canvas
- First set due next week
- Do not type (unless the set calls for matlab output)
- 14 graded 3-pt exploration assignments
- Counts as MQE points (see syllabus/Piazza for details on MQEs)
- a total possible 39pt MQE available

MQE points

- Your MQE Score in the course is calculated as your total number of MQE pts out of 70pts possible as a maximum.
- There will be approximately 140pts available, so you only need to accumulate about half of the available MQE pts to obtain a perfect MQE Score.
- Any MQE 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 MQE = 0.05% Final Exam Average bonus.

Example

- Half of all the exploration points = 21pts MQE,
- No in-studio quiz points = 0pts MQE,
- All the HW points = 53.5pts MQE,
- Total 74.5pts MQE

Make-up Exam policy

- 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.
- There is a **one make-up exam policy** in Math 1554. Students can take at most one exam. They must be ill at the time of the exam or involved in a family emergency to use the one make up.
- All make-up exams are on Tuesday at 11am the week following a missed exam (6 days after the missed exam).

Master webpage: <https://gatech.instructure.com/courses/114544>

- Syllabus,
- Worksheets,
- Sample exams,
- practice problems,
- Supplementary Lecture Videos

How to succeed

- Review the textbook, start homework, watch supplementary videos in advance of lectures
- Ask questions on Piazza, during office hours, etc
- Go over sample exams and check your answers with others