Course Overview for MATH 1554

Fall 2023

Georgia Institute of Technology

Course Information

- Instructor: Daesung Kim (dkim3009@gatech.edu)
- Office: Skiles 023
- Time and Place: Section A, MWF 8:25am, Boggs B9 / Section E, MWF 11:00am, Howey Physics L3
- Office Hour: TBA
- Textbook: Lay, Linear Algebra and its Applications, 5th Edition

Important Dates

- The Grade Mode Deadline as well the Withdrawal Deadline and Grade Substitution Deadline: 10/28
- Final instructional Class Days: 12/4-5
- School Holidays: 9/4 (Labor day), 10/9-10 (Fall break), 11/22-24 (Thanksgiving break)
- Midterm Exam dates: 9/13, 10/11, 11/8 at 6:30pm
- Final Exam date: 12/12, 6pm

Course websites

Canvas

- access to grades
- announcement (enable email notification)
- access to Gradescope, Zoom links, Pearson (online HW), Webwork, Piazza.

Personal webpage:

https://daesungk.github.io/teaching/math3215-sm23/

- Course schedule
- Lecture slides (annotated)

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 (Online HW, Quizzes, Exploration)

Online HW

- Either MyMathLab (Pearson) or WebWork (Canvas - assignments)
- For detail, see syllabus and Piazza post.
- There will be approximately 214 MyMathLab and approximately 200 WeBWorK points among the assignments this semester, which are converted to MQE pts at a rate of 1pt MML = 0.25pt MQE.
- This means that there will be approximately 53.5pts MQE from the MyMathLab assignments and approximately 50pts MQE from the WeBWorK assignments.
- Note that only **the larger total** will count towards your course grade.

MQE (Online HW, Quizzes, Exploration)

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.

MQE (Online HW, Quizzes, Exploration)

Exploration

- Submit on Gradescope, Link to Gradescope in canvas
- Due Fridays at 11:59 pm
- 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)

MQE (Online HW, Quizzes, Exploration)

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.

MQE (Online HW, Quizzes, Exploration)

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

- 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).

- Fall break: 10/9-10, Exam 2: 10/11.

Resources

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

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

How to succeed

- Review the textbook and start homework in advance of lectures

- Ask questions on Piazza, during office hours, etc

- Solve many problems (previous exams, review materials), check your answers with others