Meeting times. TTh 8.00am – 9.30am, RLM 5.114.

Office hours (instructor). Tue 12:30pm - 2pm; Thu 9:30 - 11:00 (tentative).

Teaching assistant. Will Stewart, wbstewart@utmail.utexas.edu

Office hours (TA). To be determined.

Website. All course material and an up-to-date timeline will be posted at the following URL:

https://users.oden.utexas.edu/~pgm/Teaching/2020_M341

Course objectives. This course covers a variety of topics within linear algebra and matrix theory. It also provides an introduction to proofs and abstract mathematics. The course is aimed at students in the mathematical sciences and its objective is to expose students to the basic concepts of linear algebra, and to develop their proof-writing skills. Topics to be covered include vectors and matrices, systems of linear equations, eigenvalues and eigenvectors, determinants, vector spaces, linear transformations, and orthogonality.

Prerequisites. The prerequisite is M 408D or M 408L or the equivalent, with a grade of at least C-, or consent of instructor

Grading. The final grade will be based on homeworks, two section exams, and a final exam:

• 24% for homeworks (2% each for 12 homeworks over the course of the semester).
• 22% for in class (8am-9:15am) section exam on Thursday February 27.
• 22% for in class (8am-9:15am) section exam on Thursday April 9.
• 32% for the final exam on Monday May 18, 9:00am - noon.

There will be no late or early exams. Arrange your schedule so that you can attend.


Homeworks. There will be 12 homework assignments, with due dates as listed on the course website. Homeworks are due in class, and there will be no credit for late homeworks.

The homeworks should be completed individually. You are allowed, and even encouraged, to discuss homework problems with each other, but each student needs to hand in their own work.
University Policies:

**Academic Integrity.** Each student in the course is expected to abide by the University of Texas Honor Code: “As a student of The University of Texas at Austin, I shall abide by the core values of the University and uphold academic integrity.” Plagiarism is taken very seriously at UT. Therefore, if you use words or ideas that are not your own (or that you have used in previous class), you must cite your sources. Otherwise you will be guilty of plagiarism and subject to academic disciplinary action, including failure of the course. You are responsible for understanding UT’s Academic Honesty and the University Honor Code which can be found at the following web address: [http://deanofstudents.utexas.edu/sjs/acint_student.php](http://deanofstudents.utexas.edu/sjs/acint_student.php)

**Q Drop Policy.** If you want to drop a class after the 12th class day, you’ll need to execute a Q drop before the Q-drop deadline, which typically occurs near the middle of the semester. Under Texas law, you are only allowed six Q drops while you are in college at any public Texas institution. For more information, see: [http://www.utexas.edu/ugs/csacc/academic/adddrop/qdrop](http://www.utexas.edu/ugs/csacc/academic/adddrop/qdrop)

**University Resources for Students.** Your success in this class is important to me. We will all need accommodations because we all learn differently. If there are aspects of this course that prevent you from learning or exclude you, please let me know as soon as possible. Together we’ll develop strategies to meet both your needs and the requirements of the course. There are also a range of resources on campus:

*Services for Students with Disabilities:* This class respects and welcomes students of all backgrounds, identities, and abilities. If there are circumstances that make our learning environment and activities difficult, if you have medical information that you need to share with me, or if you need specific arrangements in case the building needs to be evacuated, please let me know. I am committed to creating an effective learning environment for all students, but I can only do so if you discuss your needs with me as early as possible. I promise to maintain the confidentiality of these discussions. If appropriate, also contact Services for Students with Disabilities, 512-471-6259 (voice) or 1-866-329-3986 (video phone). [http://ddce.utexas.edu/disability/about/](http://ddce.utexas.edu/disability/about/)

*Counseling and Mental Health Center:* Do your best to maintain a healthy lifestyle this semester by eating well, exercising, avoiding drugs and alcohol, getting enough sleep and taking some time to relax. This will help you achieve your goals and cope with stress.

All of us benefit from support during times of struggle. You are not alone. There are many helpful resources available on campus and an important part of the college experience is learning how to ask for help. Asking for support sooner rather than later is often helpful.

If you or anyone you know experiences any academic stress, difficult life events, or feelings like anxiety or depression, we strongly encourage you to seek support. [http://www.cmhc.utexas.edu/individualcounseling.html](http://www.cmhc.utexas.edu/individualcounseling.html)


*ITS:* [http://www.utexas.edu/its/](http://www.utexas.edu/its/)

*Student Emergency Services:* [http://deanofstudents.utexas.edu/emergency/](http://deanofstudents.utexas.edu/emergency/)

*BeVocal:* BeVocal is a university-wide initiative to promote the idea that individual Longhorns have the power to prevent high-risk behavior and harm. At UT Austin all Longhorns have the power to intervene and reduce harm. To learn more about BeVocal and how you can help to build a culture of care on campus, go to: [http://wellnessnetwork.utexas.edu/BeVocal](http://wellnessnetwork.utexas.edu/BeVocal)
Important Safety Information: If you have concerns about the safety or behavior of fellow students, TAs or Professors, call BCAL (the Behavior Concerns Advice Line): 512-232-5050. Your call can be anonymous. If something doesn’t feel right — it probably isn’t. Trust your instincts and share your concerns.

The following recommendations regarding emergency evacuation from the Office of Campus Safety and Security, 512-471-5767, http://www.utexas.edu/safety/ Occupants of buildings on The University of Texas at Austin campus are required to evacuate buildings when a fire alarm is activated. Alarm activation or announcement requires exiting and assembling outside.

- Familiarize yourself with all exit doors of each classroom and building you may occupy. Remember that the nearest exit door may not be the one you used when entering the building.
- Students requiring assistance in evacuation shall inform their instructor in writing during the first week of class.
- In the event of an evacuation, follow the instruction of faculty or class instructors. Do not re-enter a building unless given instructions by the following: Austin Fire Department, The University of Texas at Austin Police Department, or Fire Prevention Services office.
- Link to information regarding emergency evacuation routes and emergency procedures can be found at: www.utexas.edu/emergency

Title IX Reporting. Title IX is a federal law that protects against sex and gender based discrimination, sexual harassment, sexual assault, sexual misconduct, dating/domestic violence and stalking at federally funded educational institutions. UT Austin is committed to fostering a learning and working environment free from discrimination in all its forms. When sexual misconduct occurs in our community, the university can:

(1) Intervene to prevent harmful behavior from continuing or escalating.
(2) Provide support and remedies to students and employees who have experienced harm or have become involved in a Title IX investigation.
(3) Investigate and discipline violations of the university’s relevant policies.

Faculty members and certain staff members are considered “Responsible Employees” or “Mandatory Reporters,” which means that they are required to report violations of Title IX to the Title IX Coordinator. I am a Responsible Employee and must report any Title IX related incidents that are disclosed in writing, discussion, or one-on-one. Before talking with me, or with any faculty or staff member about a Title IX related incident, be sure to ask whether they are a responsible employee. If you want to speak with someone for support or remedies without making an official report to the university, email advocate@austin.utexas.edu For more information about reporting options and resources, visit titleix.utexas.edu or contact the Title IX Office at titleix@austin.utexas.edu

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Religious holidays. If you plan to miss class due to observance of a religious holiday, please let me know at least two weeks in advance. You will not be penalized for this absence, although you will still be responsible for any work you will miss on that day if applicable. Check with instructor for details or arrangements.