

MATH 304, SECTIONS 200, 502, 508, 514, FALL 2020, INFORMATION

INSTRUCTOR Dr. Roger Smith

OFFICE Blocker 533B (Unavailable this semester)

E-MAIL rsmith@math.tamu.edu

URL <https://www.math.tamu.edu/~rsmith/fall20/math304/homepage.html>
Bookmark this page!

CLASS TIMES

200: TR 11:30-12:45 Online

502: TR 8:00-9:15 Online

508: TR 11:30-12:45 Online

514: TR 9:45-11:00 Online

ONLINE OFFICE HOURS TWR 2:30-3:30 pm, or by appointment.

PREREQUISITES . Math 148 or 152 or 172.

BOOK *Linear Algebra with applications, 9th edition* by Leon.

GRADING Your grade will be determined by two tests (100 pts each), final (150 pts), and weekly quizzes (100 pts). 90%–100%=A, 80%–89%=B, etc.

QUIZZES These will be given in the Thursday class in weeks without a test, beginning Sept 3. Your lowest quiz grade will be dropped. Late quizzes will not be accepted without a university approved excuse.

HOMEWORK There will be assigned homework for practice for the quizzes. See the course homepage for details.

HARDWARE FOR BEING PROCTORED I will proctor the tests and quizzes through Zoom. For quizzes, you will need to keep your camera on so that I can see you. We will be more formal for tests and the final, and the idea is that I should be able to see you and your workspace at all times. For tests and quizzes you will need 2 devices, one to connect to eCampus which will deliver the quiz or test to you, and the other connected to zoom to act as a camera. Desktop or laptop and a smartphone should be sufficient. See the webpage for some information documents. In these exceptional times, we must work together to maintain the integrity of the course, so I will be relying on your honesty as Aggies, which has never disappointed me.

COURSE DESCRIPTION We will cover the first six chapters of the book. This is an introductory course in linear algebra covering the abstract concepts of vector space and linear transformation as well as some models and applications of these concepts to problems in the real world. The main topics to be covered are: systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, orthogonality. The emphasis of the course is on applications and problem solving. However the course also contains a substantial amount of abstract theory. The student should be able to do simple proofs.

LEARNING OBJECTIVES Students will become proficient in the topics listed in the *Course Description* with particular emphasis on mastering the basic skills needed for many courses in mathematics science and engineering.

SYLLABUS The following is approximate and subject to change depending on the needs of the class. The syllabus is at

<https://www.math.tamu.edu/courses/math304/currentsyl.html>

HONORS SECTION 200 Section 200 is stacked with Section 508 so both will attend the same lectures. However, the honors section will receive more challenging problems on quizzes and tests.

IMPORTANT DATES Note the following dates.

Thursday Sept. 24 TEST 1

Thursday Oct. 29 TEST 2

Tuesday Nov. 10: Q-drop day

Thursday/Friday Nov. 26-27 Thanksgiving Holiday.

Tuesday Dec. 1 Final for Sect. 200 and 508: 11:00-1:30 pm.

Thursday Dec. 3: Final for Sect. 502: 8:00-10:30 am.

Monday Dec. 7: Final for Sect. 514: 8:00-10:30 am.

MAKE-UPS These will only be given in cases authorized under *TAMU* Regulations. If you miss an exam you must contact me *immediately*.

SCHOLASTIC DISHONESTY Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted by your instructor. For more information on university policies regarding scholastic dishonesty, see *University Student Rules*.

ACADEMIC INTEGRITY STATEMENT AND POLICY “An Aggie does not lie, cheat or steal, or tolerate those who do”

Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate ones work, should the instructor request it, may be sufficient grounds to initiate an academic misconduct case (Section 20.1.2.3, Student Rule 20).

You can learn more about the Aggie Honor System Office Rules and Procedures, academic integrity, and your rights and responsibilities at aggiehonor.tamu.edu.

AMERICANS WITH DISABILITIES ACT (ADA) POLICY Texas A&M University is committed to providing equitable access to learning

opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact Disability Resources in the Student Services Building or at (979) 845-1637 or visit disability.tamu.edu. Disabilities may include, but are not limited to attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability related needs with Disability Resources and their instructors as soon as possible.

TITLE IX AND STATEMENT ON LIMITS TO CONFIDENTIALITY

Texas A&M University is committed to fostering a learning environment that is safe and productive for all. University policies and federal and state laws prohibit gender-based discrimination and sexual harassment, including sexual assault, sexual exploitation, domestic violence, dating violence, and stalking.

With the exception of some medical and mental health providers, all university employees (including full and part-time faculty, staff, paid graduate assistants, student workers, etc.) are Mandatory Reporters and must report to the Title IX Office if the employee experiences, observes, or becomes aware of an incident that meets the following conditions (see University Rule 08.01.01.M1):

- The incident is reasonably believed to be discrimination or harassment.
- The incident is alleged to have been committed by or against a person who, at the time of the incident, was (1) a student enrolled at the University or (2) an employee of the University.

Mandatory Reporters must file a report regardless of how the information comes to their attention including but not limited to face-to-face conversations, a written class assignment or paper, class discussion, email, text, or social media post. Although Mandatory Reporters must file a report, in most instances, you will be able to control how the report is handled, including whether or not to pursue a formal investigation. The University's goal is to make sure you are aware of the range of options available to you and to ensure access to the resources you need.

Students wishing to discuss concerns in a confidential setting are encouraged to make an appointment with Counseling and Psychological Services (CAPS).

Students can learn more about filing a report, accessing supportive resources, and navigating the Title IX investigation and resolution process on the University's Title IX webpage.

STATEMENT ON MENTAL HEALTH AND WELLNESS Texas A&M

University recognizes that mental health and wellness are critical factors that influence a student's academic success and overall wellbeing. Students are encouraged to engage in proper self-care by utilizing the resources and services available from Counseling & Psychological Services (CAPS). Students who need someone to talk to can call the TAMU Helpline (979-845-2700) from 4:00 p.m. to 8:00 a.m. weekdays and 24 hours on weekends. 24-hour emergency help is also available through the National Suicide Prevention Hotline (800-273-8255) or at suicidepreventionlifeline.org.

CAMPUS SAFETY MEASURES To promote public safety and protect students, faculty, and staff during the coronavirus pandemic, Texas A&M University has adopted policies and practices for the Fall 2020 academic term to limit virus transmission. Students must observe the following practices while participating in face-to-face courses and course-related activities (office hours, help sessions, transitioning to and between classes, study spaces, academic services, etc.):

- **Self-monitoring:** Students should follow CDC recommendations for self-monitoring. Students who have a fever or exhibit symptoms of COVID-19 should participate in class remotely and should not participate in face-to-face instruction.
- **Face Coverings:** Face coverings (cloth face covering, surgical mask, etc.) must be properly worn in all non-private spaces including classrooms, teaching laboratories, common spaces such as lobbies and hallways, public study spaces, libraries, academic resource and support offices, and outdoor spaces where 6 feet of physical distancing is difficult to reliably maintain. Description of face coverings and additional guidance are provided in the Face Covering

policy and Frequently Asked Questions (FAQ) available on the Provost website.

- **Physical Distancing:** Physical distancing must be maintained between students, instructors, and others in course and course-related activities.
- **Classroom Ingress/Egress:** Students must follow marked pathways for entering and exiting classrooms and other teaching spaces. Leave classrooms promptly after course activities have concluded. Do not congregate in hallways and maintain 6-foot physical distancing when waiting to enter classrooms and other instructional spaces.
- To attend a face-to-face class, students must wear a face covering (or a face shield if they have an exemption letter). If a student refuses to wear a face covering, the instructor should ask the student to leave and join the class remotely. If the student does not leave the class, the faculty member should report that student to the Student Conduct office for sanctions. Additionally, the faculty member may choose to teach that days class remotely for all students.

PERSONAL ILLNESS AND QUARANTINE Students required to quarantine must participate in courses and course-related activities remotely and must not attend face-to-face course activities. Students should notify their instructors of the quarantine requirement. Students under quarantine are expected to participate in courses and complete graded work unless they have symptoms that are too severe to participate in course activities.

Students experiencing personal injury or illness that is too severe for the student to attend class qualify for an excused absence (See Student Rule 7, Section 7.2.2.) To receive an excused absence, students must comply with the documentation and notification guidelines outlined in Student Rule 7. While Student Rule 7, Section 7.3.2.1, indicates a medical confirmation note from the students medical provider is preferred, for Fall 2020 only, students may use the Explanatory Statement for Absence from Class form in lieu of a medical confirmation. Students must submit the Explanatory Statement for Absence from Class within two business days after the last date of absence.