Syllabus Quick Facts

MATH 344: Applied Linear Algebra — Spring 2026

Course Information

Instructor Email: cm264@mailbox.sc.edu
Course Webpage: https://coffeeintotheorems.com
Office Hours: The instructor's office is LeConte 345C. The office hours are Monday, Wednesday, and Friday from 2:30pm to 3:30pm, and Tuesday/Thursday from 12:00pm until 1:00pm.

Grading Components

Course grades are determined by the following components:

Check-Ins	10%
Homework	25%
Exam 1	20%
Exam 2	20%
Final Exam	25%

Attendance

Attend each lecture and show up on time. Address any absences—anticipated or otherwise—with the instructor. If you miss a lecture, you are responsible for any material covered, any work assigned, any course changes made, etc. during the class. Five or more unexcused absences from lectures could result in receiving a grade penalty per additional absence or an 'F' in the course. Furthermore, excessive lateness will also count as an absence.

Check-Ins

There will be a check-ins *every* class, typically at the start of class. Because solutions will often then be immediately discussed, no make-up check-ins will be given (except under extraordinary circumstances).

Homeworks

there will be weekly homework assignments. Homeworks will mostly be given and submitted using MyOpenMath. This assessment system is free for students and is integrated into Blackboard. Students will not need to create an account or make any purchases.

Exams

There will be two exams in this course, each worth 20% of the course grade, for a total of 40% of the course grade. There will also be a final exam worth 25% of the course grade. Together, all exams are worth 65% of the course grade.

Course Schedule

The following is a *tentative* schedule for the course and is subject to change.

Date	Topic(s)	Date	Topic(s)
01/12	Vectors	03/06	Column Space
01/14	Vectors	03/09	Spring Break
01/16	Vectors	03/11	Spring Break
01/19	MLK Day (No Classes)	03/13	Spring Break
01/21	Matrices	03/16	Dimension
01/23	RREF	03/18	Dimension
01/26	RREF	03/20	Fundamental Theorem
01/28	RREF	03/23	Fundamental Theorem
01/30	Inverses	03/25	Overflow
02/02	Inverses	03/27	Exam 2
02/04	Determinants	03/30	Eigenvectors
02/06	Determinants	04/01	Eigenvectors
02/09	Determinants	04/03	Eigenvectors
02/11	Overflow	04/06	Eigenvectors
02/13	Exam 1	04/08	Diagonalization
02/16	LU Factorizations	04/10	Diagonalization
02/18	LU Factorizations	4/13	Diagonalization
02/20	LU Factorizations	04/15	Orthogonality
02/23	$Ax = b$ & Rank	04/17	Orthogonality
02/25	Subspaces	04/20	Orthogonality
02/27	Nullspace	04/22	Orthogonality
03/02	Nullspace	04/24	Special Topics
03/04	Column Space	04/27	Special Topics