

Course: Math 309, Linear Algebra, Section 4

Instructor: Ekaterina Rapinchuk (Merkurjev)

Lecture: MW 4:10pm–5:30pm in A334 Wells Hall

Instructor's Office: C302 WH

Instructor's Office Hours: MW 2:30pm–4:00pm, and by appointment

Instructor's Email: kmerkurev@math.msu.edu

Class Website: <http://users.math.msu.edu/users/kmerkurev/Math309.htm>

Textbook: Linear Algebra with Applications (Ninth Edition), Author: Steven J. Leon

Topics:

We will be studying matrices and systems of equations, determinants, vector spaces, linear transformations, orthogonality and eigenvalues. The sections covered include

- 1.1-1.5
- 2.1-2.2
- 3.1-3.6
- 4.1-4.3
- 5.1-5.6
- 6.1,6.3

Course Grades:

- Your final will be based on 30% Homework + 20% Exam1 + 20% Exam2 + 30% Final Exam.
- Anticipated grading scale (where x is your final percentage):

4.0	$90 \leq x$
3.5	$85 \leq x < 90$
3.0	$80 \leq x < 85$
2.5	$73 \leq x < 80$
2.0	$65 \leq x < 73$
1.5	$60 \leq x < 65$
1.0	$55 \leq x < 60$
0.0	$0 \leq x < 55$

This scale may be curved to be more lenient. Such a curve is at the discretion of the instructor. To determine your overall score, simply determine (sum of points earned)/(sum of all possible points).

Homework:

Homework will be posted on <http://users.math.msu.edu/users/kmerkurev/Math309.htm>, and collected at the beginning of lecture on Wednesdays. Selected problems will be graded. Two homeworks will be dropped.

Exams:

Midterm exams are scheduled for **Monday, October 9, 2017** and **Wednesday, November 8, 2017**, in class. They will be 50 minutes each.

The Final Exam is scheduled for: **Friday, December 15, 2017, 12:45pm - 2:45pm in A334 Wells Hall**. The final exam is cumulative. All exams will be closed book and closed note.

Missed exams will count as 0 points. Only under rare circumstances (such as illness with a doctor's written excuse) will a make-up exam be given.

If you suspect a quiz or exam has been incorrectly graded please return it to your instructor within one week of receiving it back. After this, no grade changes can be made.

Attendance Policies:

Students are expected to attend all class meetings and are responsible for all of the material covered in class and in the homework. Any changes in this syllabus or in the scheduling of exams, quizzes, etc. will be announced during class meetings (usually at the beginning of class).

Calculator:

No calculators are required or allowed in this class.

Important Dates:

8/30/2017- First Day of Class

9/4/2017- Labor Day, University Closed

9/13/2017- Last day to late add a course or change sections within a course.

Last day to drop to a lower level course.

10/9/2017- First Midterm!

11/8/2017- Second Midterm!

11/23/2017-11/24/2017- Thanksgiving Break

12/8/2017- Last Day of Classes

12/15/2017- Final Exam!

General Remarks:

Students are expected to adhere to MSU's standards of academic integrity and the Spartan Code of Honor, as outlined in <https://www.msu.edu/~ombud/academic-integrity/index.html>.

Students with Disabilities:

MSU has a Resource Center For Persons with Disabilities (RCPD): <http://www.rcpd.msu.edu/> Please contact the RCPD if you require special accommodations, and then schedule an appointment with your instructor.

Campus Emergencies:

If an emergency arises in this classroom, building, or vicinity, your instructor will inform you of actions to follow to enhance your safety. As a student in this class, you are responsible for knowing the location of the nearest emergency evacuation route or shelter. These directions appear on the maps posted on the walls throughout this building. If police or university officials order us to evacuate the classroom or building, follow the posted emergency route in an orderly manner and assist those who might need help in reaching a barrier-free exit or shelter. To receive emergency messages, set your cellular phones on silent mode when you enter this classroom. If you observe or receive an emergency alert, immediately and calmly inform your instructor. (See also www.alert.msu.edu)

TENTATIVE CALENDAR

August 30: Introduction, Section 1.1

September 4: Labor Day, no class

September 6: Section 1.2

September 11: Section 1.3 - 1.4

September 13: Section 1.5

September 18: Section 2.1

September 20: Section 2.2

September 25: Section 3.1

September 27: Section 3.2

October 2: Section 3.3

October 4: Review

October 9: Midterm 1

October 11: Section 3.4

October 16: Section 3.4

October 18: Section 3.5

October 23: Section 3.6

October 25: Section 4.1

October 30: Section 4.2

November 1: Section 4.3

November 6: Review

November 8: Midterm 2

November 13: Section 5.1 - 5.2

November 15: Section 5.3

November 20: Section 5.4

November 22: No Lecture! Make-up lecture on 12/1 instead

November 27: Section 5.5

November 29: Section 5.6

December 1: Make-up Lecture (in Wells Hall A120 4:10-5:30pm): Section 6.1

December 4: Section 6.3

December 6: Review

December 15: FINAL