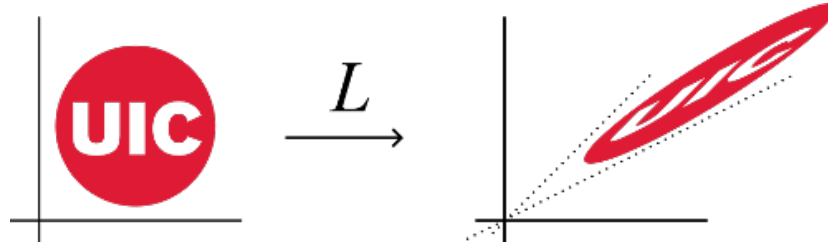


Math 320 - Linear Algebra I

David Dumas

Fall 2016



1. BASIC COURSE INFORMATION

Course Web Page <http://math.uic.edu/~ddumas/math320/>
Textbook Friedberg, Insel, and Spence, *Linear Algebra*, 4ed
Location 316 Taft Hall
Meeting Time MWF 9am
CRN 13705
Instructor David Dumas
Email david@dumas.io
Office Hours Monday 2-3pm, Wednesday 11am-12pm
Office 503 SEO

2. COURSE CONTENT

This course is a rigorous introduction to linear algebra, the area of mathematics concerned with vector spaces and linear transformations. In addition to defining these essential concepts, we will discuss related topics such as matrices, systems of linear equations, Gaussian elimination, determinants, eigenvectors, and eigenvalues.

In the textbook, we will cover most material from chapters 1–5 and selected topics from chapter 6.

3. PREREQUISITES AND RESTRICTIONS

Students must have completed Math 215 with a grade of C or higher.

Students cannot receive credit for both Math 310 and Math 320.

4. IMPORTANT DATES

Aug 22	Mon	First day of class
Sep 2	Fri	Add/drop deadline
Sep 5	Mon	Labor day, no class
Sep 23	Fri	Exam 1
Oct 28	Fri	Exam 2 and late drop deadline
Nov 25	Fri	Thanksgiving, no class
Dec 2	Fri	Last day of class
Dec 6	Tue	Final exam , 10:30am-12:30pm

5. GRADING

Grades in this section of Math 320 will be computed on the following basis:

- 30% Homework
- 20% Exam 1 (Sep 23)
- 20% Exam 2 (Oct 28)
- 30% Final exam (Dec 6)

In every aspect of the course (homework, exams, final exam, course grades), percentages will be converted to letter grades using the following **fixed grading scale**:

- A = 85% – 100%
- B = 75% – 84%
- C = 65% – 74%
- D = 55% – 64%
- F = less than 55%

Homework and exam grades will be entered in an online gradebook on UIC's Blackboard course management system. This allows students to check their grades throughout the semester.

6. HOMEWORK

Homework problem sets will be posted to the course web page regularly. The usual schedule will be one assignment per week, due on Monday. Check the course web page to confirm the exact schedule of upcoming assignments.

Homework will be collected in lecture.

Late homework will not be accepted.

Written homework solutions must be clear, concise, and legible to receive full credit. Typed solutions are welcome, but not required.

Collaboration with other students on homework must be acknowledged in a written statement at the top of the first page of work submitted. Word-for-word copying of another student's homework solution is never acceptable. Instead, when working in a group, each student is expected to reach a conceptual understanding of the method of solution which they then write in their own words.

7. EXAMS

There will be two in-class midterm exams, on September 23 and October 28.

The final exam will be held at the time set by the registrar: Tuesday, December 6 from 10:30am to 12:30pm.

The midterm exams are not cumulative. That is, the second in-class exam will primarily test material covered after the first exam.

The final exam is cumulative. Slightly more emphasis will be given to material covered after the second in-class exam.

Midterm exams may cover any material from lectures or reading up to the date of the exam. For example, material discussed in lecture on Wednesday may appear on Friday's exam.

8. PARTICIPATION

Students are encouraged to ask questions in lecture about the material currently under discussion, and to answer questions asked by the instructor.

Questions about recent homework problems, grading, past exams, etc., are better left to office hours.

9. ATTENDANCE

Students are responsible for all of the material covered in the lectures, including any lectures they miss. Any student who misses a lecture is advised to ask classmates for notes and information about any assignments or course announcements. Lecture notes are not provided by the instructor (in case of absence or otherwise).

Frequent absence from lecture is inconsiderate and moreover such absences generally lead to poor performance on homework and exams.

Any student who is absent from an exam will receive a score of zero for that exam.

10. ACADEMIC HONESTY

All UIC students are required to maintain the standards of academic integrity described in the *Guidelines Regarding Academic Integrity*:

<http://dos.uic.edu/docs/Guidelines%20for%20Academic%20Integrity.pdf>

In particular, this policy prohibits plagiarism. Any violation of these standards will be handled in accordance with the [Student Disciplinary Policy](#).

11. DISABILITY ACCOMMODATION

The University of Illinois at Chicago is committed to maintaining a barrier-free environment so that students with disabilities can fully access university programs, courses, services, and activities. Students with disabilities who require accommodations for access or participation in this course are welcome, but must be registered with the Disability Resource Center (DRC). Students may contact the DRC at 312-413-2183 (voice) or 312-413-0123 (TTY). Further information is available from the DRC web page:

<http://drc.uic.edu/>