Course Description
Linear algebra is bedrock in mathematics. Topics considered include the algebra and geometry of Euclidean $n$-space, matrices, determinants, abstract vector spaces, linear transformations, and diagonalization. Time permitting, we will discuss function spaces, ODEs, and/or linear algebra over finite fields. These special topics further display the power and versatility of linear algebra.

Prerequisite
MATH 134 (Calculus II) or MATH 220 (Discrete Mathematics).

Textbook

Grading
Grades will be given based on the following scale and your overall percentage in the course.

<table>
<thead>
<tr>
<th>Letter</th>
<th>A+</th>
<th>A</th>
<th>A-</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
<th>C</th>
<th>C-</th>
<th>D</th>
<th>F</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point</td>
<td>4.33</td>
<td>4.00</td>
<td>3.67</td>
<td>3.33</td>
<td>3.00</td>
<td>2.67</td>
<td>2.33</td>
<td>2.00</td>
<td>1.67</td>
<td>1.0</td>
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<tr>
<td>%</td>
<td>93–100</td>
<td>90–92</td>
<td>87–89</td>
<td>83–86</td>
<td>80–82</td>
<td>77–79</td>
<td>73–76</td>
<td>70–72</td>
<td>60–69</td>
<td>0–59</td>
<td>0.0</td>
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</table>

Pass/No Pass: if the course is taken for a grade, then A+ to D is considered passing. If the course is taken Pass/No Pass, then A+ to C- is considered passing and is given the grade Pass (P); work below C- is considered not passing and is given the grade No Pass (NP).

35% Homework
Homework will be assigned approximately weekly on Blackboard. Some subset of the problems will be graded. The lowest homework score will be dropped. Homework must be written up neatly with multiple pages stapled. Students are encouraged to work together to learn the material, but each student must independently write up his/her own solutions. Homework is a major part of the course. No late homework will be accepted.

10% Quizzes
Given in lecture unannounced with the lowest score dropped. No makeup quizzes.

30% Midterm Exams
15% each. Friday, March 11 and Friday, April 15 in class. No calculators, notes, or books are allowed on exams.

25% Final Exam
Take home exam. Distributed the last day of class, Friday, May 13. Due to me in my office 9–11 a.m. on Thursday, May 19. Late exams will not be accepted. Your own course notes, midterm exams, homework, and quizzes, as well as the course textbook and course handouts (including solutions), may be used on the take home final. No discussions with other human beings, electronic devices of any kind, or other books are allowed.
Disabilities
The college will make reasonable accommodations for persons with documented disabilities. Students should notify the Office of Disability Services located in Peters G-27/G-28 and their instructor of any disability related needs within the first two weeks of class.

Honor Code
The College requires that students sign an Honor Code for all assignments. This pledge (which is written out on each assignment) states: “I affirm that I have adhered to the Honor Code in this assignment.” For further information, see the student Honor Code, which you can access via Blackboard>Lookup/Directories>Honor Code.

Important Dates

- Add/drop deadline: Wednesday, February 16.
- Midterm Exam I: Friday, March 11 in class.
- Spring Recess: Saturday, March 26 – Sunday, April 3.
- Midterm grades available via PRESTO: Thursday, April 7.
- Last day to declare P/NP or to withdraw: Monday, April 11.
- Midterm Exam II: Friday, April 15 in class.
- Final Exam: due to me in my office 9–11 a.m. on Thursday, May 19. Late exams will not be accepted.