Instructor: Wang, He
Section: 1005
Course Title: Linear Algebra
Course ID: 85036

Objectives: Upon completion of this course, students will be able to:

1. compute eigenvalues and eigenvectors; determine whether a matrix is diagonalizable and if possible diagonalize it.
2. compute the dimension of a vector space, the rank of a matrix or the span of a collection of vectors.
3. find or identify a basis for a vector space, use the Gram-Schmidt process to find an orthonormal basis, or carry out a change of basis.

Category Summary

<table>
<thead>
<tr>
<th>Category</th>
<th>Number of Responses</th>
<th>Response Rate</th>
<th>Course Mean</th>
<th>Dept. Mean</th>
<th>Univ. Mean</th>
<th>Median</th>
<th>Dept. Median</th>
<th>Univ. Median</th>
<th>STDEV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course and Subject Matter (Lecture)</td>
<td>48</td>
<td>53.3%</td>
<td>3.3</td>
<td>3.3</td>
<td>3.3</td>
<td>3.0</td>
<td>4.0</td>
<td>4.0</td>
<td>0.8</td>
</tr>
<tr>
<td>Guidelines for Evaluating Student Work (Lecture)</td>
<td>24</td>
<td>53.3%</td>
<td>3.5</td>
<td>3.3</td>
<td>3.3</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>0.5</td>
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<tr>
<td>Application of Evaluation Standards (Lecture)</td>
<td>24</td>
<td>53.3%</td>
<td>3.5</td>
<td>3.4</td>
<td>3.4</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>0.6</td>
</tr>
<tr>
<td>Teaching (Lecture)</td>
<td>24</td>
<td>53.3%</td>
<td>3.1</td>
<td>3.1</td>
<td>3.2</td>
<td>3.0</td>
<td>3.0</td>
<td>4.0</td>
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<tr>
<td>Learning Outcomes (Lecture)</td>
<td>48</td>
<td>53.3%</td>
<td>3.3</td>
<td>3.2</td>
<td>3.2</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
<td>0.6</td>
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</table>

Course and Subject Matter (Lecture)

What was the overall quality of this course?

How confident are you in the instructor's knowledge?
<table>
<thead>
<tr>
<th>Question</th>
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<th>Course Median</th>
<th>Dept. Median</th>
<th>Univ. Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>What was the overall quality of this course?</td>
<td>24</td>
<td>53%</td>
<td>3.0</td>
<td>3.1</td>
<td>3.1</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
<tr>
<td>How confident are you in the instructor's knowledge of the subject matter of this course?</td>
<td>24</td>
<td>53%</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
</tbody>
</table>

Note: 0: Unsatisfactory; 1: Somewhat inadequate; 2: Adequate; 3: Good; 4: Exceptional;

Guidelines for Evaluating Student Work (Lecture)

<table>
<thead>
<tr>
<th>Question</th>
<th>Number of Responses</th>
<th>Response Rate</th>
<th>Course Mean</th>
<th>Dept. Mean</th>
<th>Univ. Mean</th>
<th>Course Median</th>
<th>Dept. Median</th>
<th>Univ. Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>How clear were the instructor's expectations and guidelines for evaluating student work?</td>
<td>24</td>
<td>53%</td>
<td>3.5</td>
<td>3.3</td>
<td>3.3</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
</tbody>
</table>

Note: 0: Very unclear (0); 1: Somewhat unclear (1); 2: Somewhat clear (2); 3: Mostly clear (3); 4: Very clear (4);

Application of Evaluation Standards (Lecture)

<table>
<thead>
<tr>
<th>Question</th>
<th>Number of Responses</th>
<th>Response Rate</th>
<th>Course Mean</th>
<th>Dept. Mean</th>
<th>Univ. Mean</th>
<th>Course Median</th>
<th>Dept. Median</th>
<th>Univ. Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>How fair was the application of evaluation standards?</td>
<td>24</td>
<td>53%</td>
<td>3.5</td>
<td>3.4</td>
<td>3.4</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
</tbody>
</table>

Note: 0: Very unfair; 1: Somewhat unfair; 2: Somewhat fair; 3: Mostly fair; 4: Very fair;

Teaching (Lecture)
### What was the overall quality of the instructor's teaching?

<table>
<thead>
<tr>
<th>Question</th>
<th>Number of Responses</th>
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<th>Course Median</th>
<th>Dept. Median</th>
<th>Univ. Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>How well did the syllabus and the instructor convey course expectations...</td>
<td>24</td>
<td>53%</td>
<td>3.3</td>
<td>3.3</td>
<td>3.2</td>
<td>3.0</td>
<td>3.0</td>
<td>4.0</td>
</tr>
<tr>
<td>How well did the course help you achieve these learning outcomes?</td>
<td>24</td>
<td>53%</td>
<td>3.3</td>
<td>3.1</td>
<td>3.2</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Note:** 0: Unsatisfactory; 1: Somewhat inadequate; 2: Adequate; 3: Good; 4: Exceptional;
Demographics

How many hours per week did you work on this course, other than time in class?

- No time other than scheduled classes: 33.3%
- 1 to 3 hours: 58.3%
- 4 to 6 hours: 50%
- 7 to 9 hours: 45.8%
- 10 hours or more: 5%

What grade do you expect to receive for this course? Select N/A if the course is not graded.

- C+, C-, or P: 33.3%
- B+, B, or B-: 58.3%
- A or A-: 50%
- N/A: 45.8%
Linear Algebra (Fall 2018)

Instructor: Wang, He
Subject: MATH
Catalog & Section: 330 1005
Course ID: 85036

Objectives: Upon completion of this course, students will be able to:
1. compute eigenvalues and eigenvectors; determine whether a matrix is diagonalizable and if possible diagonalize it.
2. compute the dimension of a vector space, the rank of a matrix or the span of a collection of vectors.
3. find or identify a basis for a vector space, use the Gram-Schmidt process to find an orthonormal basis, or carry out a change of basis.

Teaching (Lecture) (35 comments)

Q: Please provide your thoughts on the instructor's teaching, including strengths and areas for possible improvement.

1. Professor was good at presenting the material and could adequately answer questions that furthered student understanding.

2. Maybe restate during the semester that extensions are only within 3 days of the original due date. And give a curve if most of your students are failing - pay attention to the median, not the average.

3. You can tell his teaching style is better suited for some than others. Some people really understood what was being taught; Personally I ended up teaching myself slightly better.

4. This instructor is very good at what he does. It would be nice if he had less of an accent but other than that everything was great.

5. good but not enthusiastic

6. Thus class was fairly easy for me, mostly because I'd studied the book over the summer. It was surprisingly simple, but I enjoyed it very much.

7. I had such a difficult time understanding him. He clearly knows the subject matter very well but I eventually resorted to doing homework in class instead, because the online homework help was more useful. It's difficult not only to understand him, but it's difficult to understand what is important.

8. very good teacher and would retake again if i had too

9. The class was a little boring to be honest. I understand that we are not here to have fun, but I would appreciate a little bit of energy during the lectures. I know that it would help the students absorb more content.

10. Professor Wang is fantastic, he understands the subject completely and knows what points to highlight. The only issue I could have with him is how heavy his accent is, but it doesn't take away from his ability to teach (unless he says the number 5 which sounds like 12 haha).

11. Professor Wang’s teaching was very organized and thorough. He is very approachable, which makes it easier to ask him questions when we don’t understand something. Personally, I have a decent grasp on the subjects discussed in class; it’s just that the vector spaces still baffles me. I know it is a major topic but I really don’t understand vector spaces.

12. Dr. Wang was a great instructor for this class, as he was very knowledgeable in the content being presented. He frequently asked if we had any questions. In addition, he went through many examples which greatly helped me see how the theorems were to be applied.

13. he was great. i understood him well

14. A little difficult to understand but great teacher. Thank you.

15. The teaching was good. Having notes being written on the board as lecture goes is helpful because the professor's accent was difficult to understand.

16. Great use of examples

17. It was fine, nothing special. Learned how to do the math and that was the important part.

18. Good teacher, lays out the information in a very straight forward manner. However, is a little bit too fast at times and could slow down and show more examples.

19. The professor doesn't seem to know the topic the best. always reading off his notes and doesn't answer questions very well. Also very hard to understand which makes learning hard.
Q: Please provide your thoughts on the course as a whole, including strengths and areas for possible improvement.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1</td>
<td>Course was adequate for a general introduction to vector math and matrices.</td>
</tr>
<tr>
<td>2</td>
<td>You were a great teacher.</td>
</tr>
<tr>
<td>3</td>
<td>The course was good and helpful</td>
</tr>
<tr>
<td>4</td>
<td>This class is simple and easy to understand, especially when the instructor is good at explaining concepts.</td>
</tr>
<tr>
<td>5</td>
<td>good class</td>
</tr>
<tr>
<td>6</td>
<td>The simple existence of rref is a fantastic thing, and I wish I'd learned this year earlier. Very practical, and I am certain I shall use it in the future.</td>
</tr>
<tr>
<td>7</td>
<td>more examples would be adequate</td>
</tr>
<tr>
<td>8</td>
<td>The course was great. I learned a lot about linear algebra and I am pretty confident in my abilities. There was an excessive amount of homework but it's understandable.</td>
</tr>
<tr>
<td>9</td>
<td>I think the class is fair, maybe He could go over explaining t/f questions a little more when reviewing midterms, but I can't really complain.</td>
</tr>
<tr>
<td>10</td>
<td>This course is very theoretical and as such, it is very hard to visualize and understand theorems.</td>
</tr>
<tr>
<td>11</td>
<td>In general, this course was great. The instructor was excellent in teaching in us. The homework and quizzes were not demanding. Many study guides were also published so that we could study well for our tests. I overall enjoyed this math class.</td>
</tr>
<tr>
<td>12</td>
<td>it was an interesting course</td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Course as a whole was great. Guidelines of instruction was good, the website was perfect.</td>
</tr>
<tr>
<td>15</td>
<td>We spend so much time reviewing how to do problems when so much of our exams are theory.</td>
</tr>
<tr>
<td>16</td>
<td>Course is simple but it makes it hard when you can't understand your professor.</td>
</tr>
</tbody>
</table>