This is a Term A course: September 5 – October 20, 2006

Instructor: Dr. Kathleen Feigl
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Office Hours: MTWR 16:00–17:00, and by appointment


Course Content: This course addresses fundamental concepts in linear algebra, including:

- Systems of linear equations
- Linear transformations
- Matrix algebra
- Subspaces of $\mathbb{R}^n$
- Determinants
- Eigenvalues and eigenvectors
- Orthogonality and least-squares
- Diagonalization and quadratic forms

Homework: Homework will be assigned each class, but will not be collected.

Quizzes: Quizzes will be given regularly, usually one per week, and will be announced.

- Quiz problems will be closely related to the homework problems.
- No make-up quizzes will be given.
- The lowest quiz score will be dropped.

Exams: Two exams will be given: a midterm and a final exam.

- Comprehensive midterm: Wednesday, September 27, 2006, 6-8pm, M&M U115
- Comprehensive final exam: Thursday, October 19, 2006, 6-8pm, Fisher 135
- No make-up exams will be given except in extreme circumstances which are explained in writing (e.g. doctor’s note).

Grading: The course grade will be calculated using a straight percentage scale (A: 90–100%, AB: 85–89%, B: 80–84%, BC: 75–79%, C: 70–74%, CD: 65–69%, D: 60–64%, F: 0–59%) and the following weighting system:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>20%</td>
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<tr>
<td>Comprehensive Midterm Exam</td>
<td>40%</td>
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<tr>
<td>Comprehensive Final Exam</td>
<td>40%</td>
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