THE UNIVERSITY OF KENTUCKY
Department of Mathematics

MA 322 Matrix Algebra and Its Applications
Section 4 - Spring 2004
MWF 2:00-2:50 in CB 349

Instructor: Dr. Qiang Ye
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Office Hours: MWF 3:00-4:00

Class Home Page: http://www.ms.uky.edu/~qye/ma322


Prerequisites: MA 114.

Outline:

• Linear Equations (Ch. 1)
• Matrix Algebra (2.1-2.5)
• Determinants (Ch. 3)
• Vector Spaces (4.1-4.7)
• Eigenvalues and Eigenvectors (5.1-5.3)
• Orthogonality (6.1-6.3)

Some of the application sections from these chapters may also be covered.

Homework and Exams: Homework problems will be assigned weakly in class. Selected problems will be graded and will contribute 30% towards your grade in the course.

There will be two mid-term exams to be held in class. They are tentatively set on 2/23 and 4/5. If you have time conflicts on those dates, please inform me as soon as possible. There will also be a final exam of two hour duration.

A nonprogrammable calculator is allowed for exams.

Grading: Homework: 30%,
Mid-term Exams (2): 40%,
Final: 30%.

The following is a tentative scale for grading, subject to minor adjustments.
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<thead>
<tr>
<th>Grade</th>
<th>Minimum %</th>
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<tbody>
<tr>
<td>A</td>
<td>90</td>
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<tr>
<td>B</td>
<td>80</td>
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<tr>
<td>C</td>
<td>70</td>
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<td>D</td>
<td>60</td>
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**Absence and Late Submission Policy:**

- If you miss an exam, you will automatically be given zero mark unless reasons are provided with evidence (e.g. a note from a medical doctor), in which case the final mark will be adjusted.

- Homework that is handed in late will have their marks reduced by 20% if it is one day late. No late homework will be accepted if it is more than one day late, unless reasons are provided with evidence.