Mathematics 330
Syllabus
Spring 2006

Course Objectives: Linear Algebra lies at the foundations of modern mathematics, physics, statistics, and many other disciplines. We will consider linear problems that appear in geometry, analysis and many applied areas. We will give algebraic interpretation to geometrical concepts such as lines, planes and use it to generalize it to higher dimensions. We will learn to think about various mathematical concepts and write rigorous mathematical arguments.

Class Meetings:
Lecture MWF 8:00 AM- 9:15 AM DDH E107
Laboratories Tu 8:00 AM -10:30 AM DDH E107


Required: Graphing calculator TI-83 – TI-92 (or similar).

Course Outline: We will go over Chapters 1 – 6.

Readings: You are responsible for reading at least twice each section of the book that we discussed in class. You read it not like a novel but with pencil in hand.

Quizzes: Every Tuesday at the beginning of the session a quiz will be administered. The lowest quiz score will be dropped.

Homework: Selected homework problems will be collected and graded.

Exams: We will have two in class exams plus a cumulative final exam.
All exams will be in DDH E107.

**Assessment of work:** Your final grade is computed based on the point distribution:

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
<th>Total Points</th>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Labs</td>
<td>40 points each</td>
<td>320</td>
<td>930 - 837</td>
<td>A</td>
</tr>
<tr>
<td>7 quizzes (lowest quiz</td>
<td>10 points each</td>
<td>60</td>
<td>836 - 744</td>
<td>B</td>
</tr>
<tr>
<td>score will be dropped)</td>
<td></td>
<td></td>
<td>743 - 651</td>
<td>C</td>
</tr>
<tr>
<td>2 exams</td>
<td>150 points each</td>
<td>300</td>
<td>650 - 558</td>
<td>D</td>
</tr>
<tr>
<td>Final exam</td>
<td>250 points</td>
<td>250</td>
<td>below 557</td>
<td>F</td>
</tr>
<tr>
<td>Total Points</td>
<td></td>
<td>930</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A minimum of 558 points is required in order to pass the class with a grade of D-. In addition, no student receiving 50% or less on the final exam will receive a passing grade.

**Laboratories:** A problem set will be given to you at the beginning of each lab period. Solutions will be due Friday 8:00 AM, anytime after that will be considered late. You are expected to work together on each assignment. One write-up per two people should be hand in.

**Late assignments:** Late work will be accepted for reduced credit until discussed in class.

**Important Dates:** 4/17 – Last day to withdraw without a “W” being recorded; 5/15 – Last day to withdraw for a serious and compelling reason, 6/5 – Last day of classes, **Final Exam Wednesday- June 7 at 8:00 AM.**