MATH 205A,B - LINEAR ALGEBRA
WINTER 2013

LEC A: MWF 1:10 - 2:30 PM (HATHORN 104)
LEC B: MWF 2:40 - 4:00 PM (HATHORN 104)

Instructor: Peter Wong
Office: 212 Hathorn
Office phone: x6143
e-mail: pwong@bates.edu
Office hours: MW 12:00 - 1:00, or by appointment


Calculator: TI-83 graphing calculator, Texas Instrument or equivalent

Grading: 2 Mid-terms - 20% each; Final - 30%; Quizzes - 20% (10 quizzes but the lowest score will be dropped); Homework - 10%.

Approximate Curve:-

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A+</td>
<td>97% - 100%</td>
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<tr>
<td>B+</td>
<td>87% - 89.9%</td>
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<tr>
<td>C+</td>
<td>77% - 79.9%</td>
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<tr>
<td>D+</td>
<td>67% - 69.9%</td>
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<tr>
<td>A</td>
<td>93% - 96.9%</td>
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<tr>
<td>B</td>
<td>83% - 86.9%</td>
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<tr>
<td>C</td>
<td>73% - 76.9%</td>
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<tr>
<td>D</td>
<td>63% - 66.9%</td>
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<tr>
<td>A-</td>
<td>90% - 92.9%</td>
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<td>B-</td>
<td>80% - 82.9%</td>
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<td>C-</td>
<td>70% - 72.9%</td>
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<td>D-</td>
<td>60% - 62.9%</td>
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<td>F</td>
<td>0% - 59.9%</td>
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Exam dates: 1st exam - Wednesday, February 6; 2nd exam - Monday, March 18; Final Exam - Tuesday, April 9, 2013, 8:00 - 10:00 am

Prerequisites: Math 105, Math 106, or BI/MA 255A

Tentative Syllabus: This is an introduction to the field of linear algebra. We intend to cover most of the first 6 chapters with additional topics from Chapter 7. Below is a tentative syllabus.
week 1: §§1.1 - 1.3; quiz #1 (1/11)

week 2: §§1.4 - 1.5, 1.7; quiz #2 (1/18) [HW1 due 1/16]

week 3: §§1.8 - 1.9; quiz #3 (1/25) [no class meeting on MLK Day 1/21] [HW2 due 1/23]

week 4: §§2.1 - 2.3; quiz #4 (2/1) [HW3 due 1/30]

week 5: review, mid-term exam, §3.1; Exam #1 (2/6) [HW4 due 2/6]

week 6: §§3.2, 4.1 - 4.2; quiz #5 (2/13)

Winter Recess - Feb. 18 - 22

week 7: §§4.3 - 4.5; quiz #6 (2/27)

week 8: §§4.6, 5.1 - 5.2; quiz #7 (3/6) [HW5 due 3/4]

week 9: §§5.3 - 5.4, review; quiz #8 (3/13) [HW6 due 3/11]

week 10: mid-term exam, §§6.1 - 6.2; Exam #2 (3/18)

week 11: §§6.3 - 6.4, 7.1; quiz #9 (3/27) [HW7 due 3/25]

week 12: §7.2, review; quiz #10 (4/3) [HW8 due 4/1]

Notes:

1. Notice that the final exam date is scheduled for Tuesday April 9, 2013 at 8:00am (2 hour long). Do not make plane reservation to leave campus BEFORE this date.

2. It is IMPORTANT that you READ the book before as well as after class. I do not expect you to master the concepts after the first reading of a section but familiarity of some of the terms and definitions will help understand more when I go over the material in class. Almost on a weekly basis, I plan to give a 10-15 minute short quiz on the material that is covered during the past week. Homework will be assigned and collected (no late homework allowed) frequently. This information sheet/syllabus can be found in:


3. Math/Stat Workshop: Old quizzes and exams of Math 205 (by other instructors) and related materials can be found in Mr. Eric Towne’s resource page:

http://abacus.bates.edu/~etowne/mathresources.html

In addition, the College Mathematics and Statistics Workshop, located at Canham House, offers additional help. Please visit the workshop or contact its director, Grace Coulombe at gcoulomb@bates.edu.