COURSE TITLE: LINEAR ALGEBRA II
Lecture time and location: MWF 12:00-12:50 C E 1-60
Instructor: Xi Chen
Phone: 780-492-1704
Email: xichen@math.ualberta.ca
Office and Office Hours: CAB 479, MWF 11-12pm or by appointment

TEXTBOOK: Any edition of *Linear Algebra and Its Applications* by David C. Lay. Here are the sections to be covered by this course:

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<th>Chapter</th>
<th>Sections</th>
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<tr>
<td>4</td>
<td>4.1-4.9</td>
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<tr>
<td>5</td>
<td>(5.1-5.3), 5.4-5.7</td>
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<tr>
<td>6</td>
<td>(6.1-6.3), 6.4-6.8</td>
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<td>7</td>
<td>7.1, 7.2</td>
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Sections in the parentheses are the sections covered by Math 125 and will be briefly reviewed in this course. This course is heavily dependent on the materials covered by Math 125. The students are strongly encouraged to review Math 125 on their own.

HOMEWORK ASSIGNMENTS: There will be 10 weekly assignments. Assignments are to be placed in the slots that are labeled for each section on the assignment boxes on the third floor of CAB before 4pm on the due day. Late assignments cannot be accepted since the solutions to the assignments will be posted on the course web site shortly after the assignments are due. Your assignment will be returned to you as soon as possible after grading. If you do not understand or agree with the grading for a particular problem, please check the posted solutions on the web. After checking the solutions, if you think an error has been made in grading, please write a note on your assignment pointing out the error and pass it in again with next week’s assignment. If you still think it has been graded improperly after it is returned to you again, please see your instructor.

EXAMS: There will be one midterm and final. No CALCULATORS, FORMULA SHEETS, NOTES or BOOKS are allowed in exams. You should bring a photo ID to all exams.
Final: Monday Apr. 14, 2014, 2-4pm, C E 1-60. Note that the last day of class is Apr. 9, 2014.

GRADING: I use the following formula to compute your total score

\[ 15\% \text{ homework} + 30\% \text{ midterm} + 55\% \text{ final} \]

Your letter grade is then determined by a curve, roughly, 20\% A, 25\% B and 30\% C (this ratio is subject to change). In addition, you are guaranteed an A- or above if your total score is at least 90\% and you are guaranteed a D or above if your total score is at least 50\%.

MISSED MIDTERM: A student who cannot write a midterm due to religious conviction, incapacitating illness, severe domestic affliction or other compelling reasons may apply for an excused absence. To apply for an excused absence, the student must present supporting documentation pertaining to the absence to the instructor within two working days following the scheduled date of the missed term work, or as soon as the student is able. In the case of religious conviction, the student must inform the instructor by the end of the second week of classes. In the case of an incapacitating illness, either a medical note or a statutory declaration (which can be obtained at the student’s Faculty Office) will be accepted.

An excused absence is a privilege and not a right; there is no guarantee that an absence will be excused. Misrepresentation of facts to gain an excused absence is a serious breach of the Code of Student Behavior.

If an excused absence is granted, the weight of the midterm will be added to the final exam.

MISSED FINAL: A student who cannot write the final examination due to incapacitating illness, severe domestic affliction or other compelling reasons may apply for a deferred final examination. Such an application must be made to the student’s Faculty office within 48 hours of the missed examination and must be supported by a Statutory Declaration (in lieu of a medical statement form) or other appropriate documentation (Calendar section 23.5.6).
Deferred examinations are a privilege and not a right; there is no guarantee that a deferred examination will be granted. Misrepresentation of facts to gain a deferred examination is a serious breach of the Code of Student Behavior.

The deferred final examination is scheduled as follows:

- **Date:** Saturday May 3, 2014
- **Time:** 9:00 am (register at 8:30 am)
- **Location:** CAB 357

**RE-EXAMINATION:** A student who writes the final examination and fails the course may apply for a re-examination. Re-examinations are rarely granted in the Faculty of Science. These exams are governed by University (Calendar section 23.5.5) and Faculty of Science Regulations (Calendar section 192.5.9). Misrepresentation of facts to gain a re-examination is a serious breach of the Code of Student Behavior.

**ACADEMIC INTEGRITY:** UOA is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behavior and avoid any behavior which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and participation in an offense. Academic dishonesty is a serious offense and can result in suspension or expulsion from the university.

**WEBSITE:** All handouts and other course-related materials will be available at eClass and http://www.math.ualberta.ca/~xichen/math22514w.