

# MATH 250 Spring 2010 Syllabus

<b>Instructor</b>	Dr. Sean Ho twu@seanho.com (604) 513-2121 x3209, Neufeld 5 Office hours: M-R 4-5pm and by appointment	Class location: MWF 08:00-08:50, Neu 13 math250.seanho.com												
<b>Description</b>	Systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, diagonalization applications, linear programming.													
<b>Objective</b>	Linear Algebra is one of the important disciplines of Mathematics and Computer Science. It finds numerous applications in many areas of Social Sciences, Natural Sciences and other disciplines as well. This course is intended to give students who are either majoring in Mathematics/ Computer Science or who wish to utilize the techniques of Linear Algebra in their own disciplines sufficient knowledge and expertise that they can put to use.													
<b>Prerequisites</b>	MATH 123.													
<b>Textbook</b>	Howard Anton and Chris Rorres, <i>Elementary Linear Algebra</i> , 9th ed., John Wiley & Sons, 2005. We aim to cover chapters 1-8 and parts of chapter 11.													
<b>Marking</b>	Letter grade assignment follows the TWU percentage to grade equivalents except that $\geq 85\%$ and $< 95\%$ is an A; 95% and above is an A+. <table><tr><td><b>Homework/Project</b></td><td>20%</td><td>Weekly</td></tr><tr><td><b>Midterm 1</b></td><td>20%</td><td>Wed 17 Feb</td></tr><tr><td><b>Midterm 2</b></td><td>20%</td><td>Wed 31 Mar</td></tr><tr><td><b>Final Exam</b></td><td>40%</td><td>TBA</td></tr></table>		<b>Homework/Project</b>	20%	Weekly	<b>Midterm 1</b>	20%	Wed 17 Feb	<b>Midterm 2</b>	20%	Wed 31 Mar	<b>Final Exam</b>	40%	TBA
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<b>Notes</b>	<ol style="list-style-type: none"><li>Homeworks are due by the <i>start</i> of class each Wednesday. <b>NO LATE HOMEWORKS</b> except for extenuating circumstances. Homework turned in after the start of class up to 5pm on the due date (including coming to class late) will be penalized 10%; after that they will not be accepted and will receive a zero mark. If you are turning your homework late, it is your responsibility to ensure I get it. Late homeworks forfeit the expectation of prompt feedback. If you cannot come to class to turn in your homework, have a friend hand it in for you or make prior arrangements with the instructor.</li><li>Study groups are encouraged, but the final draft that you hand in must be your own work. All work must be shown for full marks.</li><li>During in-class quizzes/exams, all of the following are not permitted and should be left in your closed/zipped bag and put on the floor:<ul style="list-style-type: none"><li>Textbooks, notes, cell phones (turn off), laptops, PDAs, <i>electronic dictionaries</i></li></ul>Your desk should be clear except for your pencil/pen and calculator.</li><li>Students who miss more than 25% of class sessions may be barred from taking the final exam [2009-2010 Academic Calendar p.38].</li><li>In case of inclement weather, the TWU campus conditions will be announced on local radio stations and posted on the TWU website at <a href="http://www.twu.ca/conditions">www.twu.ca/conditions</a>.</li><li><b>Academic integrity</b> is a core value of the entire TWU community. This includes, but is not limited to, avoiding all forms of plagiarism and cheating. Plagiarism is using someone else's work without attribution. In this course, if you do it once you will get a zero, if you do it again you will automatically fail the course. Any such cases also go into the University's files for future reference; TWU has a strict policy concerning plagiarism. A tutorial describing plagiarism and how to avoid it has been prepared by TWU Librarian William Badke: (PPT file), (14 min flash), (8 min flash)</li></ol>													