Faculty of Science
DEPARTMENT OF MATHEMATICS and STATISTICS
Course Information Sheet

1. Course: MATH 221 – Linear Algebra for Scientists & Engineers   FALL 2003
    Lecture/Time/Session: L04 & 12 & 22   TR   14:00 (Duration: 75 minutes)   Room: ST 143
    Instructor(s):   Dr. T. Dinh
    Office: MS 370   Phone: 220-2214 Email: tndinh@math.ucalgary.ca

    Prerequisite(s):   A grade of 70% or higher in Mathematics 30 or Pure Mathematics 30.
    Co-requisite(s):   None
    Note: The Faculty of Science policy on pre- or co-requisite checking is outlined on page 198, of the 2003-2004 Calendar. It is a student's responsibility to ensure that they have the pre- and/or co-requisites for the course, and if they do not they will be withdrawn from the course without further notice.

3. **Fee Policy**: After the last day to drop/add courses, there will be no refund of tuition fees if a student withdraws from a course, courses or the session.

4. **The University policy on grading and related matters** is described on pages 41-42 of the 2003-2004 Calendar. In determining the overall grade in the course, the following weights will be used:

Mid-term Test(s)	[1]	20%
Quiz(zes)	[Best 4 of 5]	30%
Final Exam		50%

    A passing grade on any particular component of the course is essential to passing the course as a whole. There will be a final examination scheduled by the Registrar's Office. The use of aids such as open book, etc. is not permitted.

5. **Missed Components of Term Work**. The regulations of the Faculty of Science pertaining to this matter are outlined on page 199, of the 2003-2004 Calendar. It is the student's responsibility to familiarize herself/himself with these regulations.

6. **Academic misconduct** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the 2003-2004 University Calendar under the heading "Student Misconduct", pages 53-56.

7. **Dates and times of class exercises held outside of class hours** (evening test, Saturday laboratory examinations, week end field trips, etc.): There are no out-of-class-time activities.

SCUM: The Society for Calgary Undergraduate Mathematics is located in MS 337A. They sell exam packages, run final reviews, and can often assist with problems. The office is open from 10am-3pm Monday-Friday, and you are welcome to drop by. We look forward to meeting you!

ADDITIONAL COURSE INFORMATION
MATHEMATICS 221 L04/12/22 FALL 2003

TEXTS: *Elementary Linear Algebra* 2nd edition., by W.K.Nicholson, McGraw-Hill Ryerson.
This is available in the University bookstore.

OPTIONAL MATERIALS: *MATH 211 Problem Book; MATH 211 Exam Book.*
These will be available from the undergraduate mathematics society (SCUM), MS337A.

QUIZZES: There are five 30-minute quizzes which will be written in the labs in the weeks scheduled below. The quizzes will be graded and returned in the following lab. No make-up quizzes will be given. The best 4 of 5 quiz scores will be used for 30% of the final grade in the course.

MIDTERM: This is a 50 minute written examination held in the lecture period on Friday, **November 6**th. The midterm is worth 20% of the final grade in the course.

FINAL EXAMINATION: This is a 3-hour test worth 50% of the final grade, scheduled by the Registrar. **A passing grade on the final examination is necessary to pass the course**.

TENTATIVE SCHEDULE:

WEEK	SECTION	COMMENTS
Sept 8 - 12	1.1, 1.2	
Sept 15 - 19	1.3, 1.4	
Sept 22 - 26	1.4, 1.5	**Quiz 1** in lab
Sept 29 - Oct 3	1.6, 1.8	
Oct 6 - 10	2.1, 2.2	**Quiz 2** in lab
Oct 13 - 17	2.3	
Oct 20 - 24	2.5	**Quiz 3** in lab
Oct 27 - 31	3.1, 3.2	
Nov 3 - 7	3.2, Mid	**Midterm** Nov 6, in lecture time
Nov 10 - 14	,3.3	Reading Days: Nov 8-11
Nov 17 - 21	3.3	**Quiz 4** in lab
Nov 24 - 28	3.3, 3.5	
Dec 1 - 5	3.4	**Quiz 5** in lab
Dec 8	Review	Review, last lecture on Dec 8.
Dec 12 - 22		Final Examinations

SUGGESTED PROBLEMS:

Section	
1.1	4 - 10
1.2	1 - 4, 6 - 14
1.3	1, 4 - 7
1.4	1 - 18, 21, 22, 27, 31, 32, 33
1.5	1 - 16, 18 - 22, 24 - 29
1.6	1 - 6, 8 - 14
1.8	1 - 7
2.1	1 - 3, 5 - 20
2.2	1 - 15, 19 - 23
2.3	1 - 14, 16, 17
2.5	1 - 9, 20 - 26
3.1	1 - 19
3.2	1 - 21
3.3	1 - 24
3.4	1 - 7, 13 - 20
3.5	1 - 12