THE UNIVERSITY OF CALGARY
FACULTY OF SCIENCE
DEPARTMENT OF MATHEMATICS AND STATISTICS

COURSE INFORMATION SHEET
January 11, 1999

1. **Course: MATH 221 - Linear Algebra for Scientists and Engineers - Winter 1999**

Lecture	Date	Time	Place	Instructor	Office	Phone
L92	MW	19:00 (75 Min.)	ST 143	Prof. J. Bryden	MS 444	220-3956
B93	MW	20:15 (50 Min.)	ST 143	Prof. J. Bryden		
B94	MW	20:15 (50 Min.)	ST 143	T.B.A.		

2. **Prerequisite(s):** A grade of 70% or higher in Math 30 or equivalent.

   Credit for both Math 211 and 221 will not be allowed.

   NOTE: The Faculty of Science policy on pre- and co-requisite checking is outlined on page 197, column 2, item III-1 of the 1998-99 Calendar. **It is the 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responsibility to ensure that they have the pre- and/or co-requisites for the course, and if they do not they will be withdrawn from the course without further notice.**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. **After January 22, 1999, the last day to add/drop 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 41-54 of the 1998-99 Calendar. In determining the overall grade in the course, the following weights will be used:

Mid-term Test (50 Minute)	**[1]**	**20%**
Quiz(zes) The best 4 will count	**[5]**	**30%**
Final Exam (3 Hours)		**50%**

   There will be a final examination scheduled by the Registrar's Office. A passing grade on the final is required to pass the course.

5. **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are outlined on page 198, item III-10 of the 1998-99 Calendar. It is the student's responsibility to familiarize herself/himself with these regulations.

6. There will be **no** required activities scheduled outside regular class time.

ADDITIONAL COURSE INFORMATION

Texts:
1. *Linear Algebra with Applications*, 3 ed., by W.K. Nicholson, PWS, 1995.
2. Math 221 Supplementary Notes, by W.K. Nicholson

These texts are both available at the University Bookstore.

Optional Materials:Math 211 Problem Book, Math 211 Exam Book, available in SCUM office, MS 320.

Quizzes:There will be five (5), 30-minute quizzes which will be given in your labs during the following weeks:

Quiz 1: January 25 - January 29
Quiz 2: February 8 - February 12
Quiz 3: February 22 - February 26
Quiz 4: March 22 - March 26
Quiz 5: April 5 - April 9

The quizzes will be graded and returned in the following tutorial. **NO MAKEUP QUIZZES WILL BE GIVEN.** The best 4 quiz scores will be used for 30% of the final grade in the course.

Midterm:50 minute written examination to be held in the lecture period on **Wednesday, March 10th.** The midterm is worth 20% of the final grade in the course. This will be on 1.1 to 1.3, 2.1 to 2.3, 3.1, 3.2 and N_1.

Final Examination:This will be a 3-hour test worth 50% of the final grade, scheduled by the Regustrar.
You will be tested on the material covered in the whole of the course.

LECTURE SCHEDULE

Week	Material	Special Dates to Remember
Jan. 11 - 15:	1.1, 1.2, 1.2	
Jan. 18 - 22:	1.3, 2.1, 2.2	
Jan. 25 - 29:	2.2, 2.3, 2.3	QUIZ 1 in Lab
Feb. 1 -5:	2.3, 3.1, 3.1 + 3.2	
Feb. 8 - 12:	3.2, 3.2, N_1	QUIZ 2 in Lab
Feb. 16 - 19:	___ , N_1, N_1	**Feb. 15, Family Day - Holiday**
Feb. 22 - 26:	N_1, 4.1, 4.1	QUIZ 3 in Lab
Mar. 1 - 5:	READING WEEK	No Lectures
Mar. 8 - 12:	Review, ___ , 4.2	**Midterm: March 10th, Wednesday in class**
Mar. 15 - 19:	4.2, 4.2, 4.3	
Mar. 22 - 26:	4.3, 4.3, N_2	QUIZ 4 in Lab
Mar. 29 - Apr. 1:	N_2, N_2, ___	**April 2, Good Friday, Holiday**
Apr. 5 - 9:	N_2, $\mathbb{C}$, $\mathbb{C}$	QUIZ 5 in Lab
Apr. 12 - 16:	$\mathbb{C}$, $\mathbb{C}$, Review	TERM ENDS ON April 16
Apr. 19:	REVIEW	

In the above Table N_1 and N_2 refer to sections 1 and 2 of Supplementary Notes. $\mathbb{C}$ refers to text dealing with Complex Numbers. The others refer to section numbers in the text.