



Faculty of Science  
DEPARTMENT OF MATHEMATICS AND STATISTICS  
Course Information Sheet

1. **Course:** MATHEMATICS 221 – LINEAR ALGEBRA FOR SCIENCE & ENGG  
**Lecture/Time/Session:** L91 MWF 19:00-21:05 ST125 WINTER 2004  
**Instructor(s):** Mark Bauer  
**Office/Phone/Email:** MS 384 210-8456 [mbauer@math.ucalgary.ca](mailto:mbauer@math.ucalgary.ca)  
**Webpage:** [www.math.ucalgary.ca/~mbauer/math221](http://www.math.ucalgary.ca/~mbauer/math221)

2. **Prerequisites:** A grade of 70 % or higher in Mathematics 30 or Pure Mathematics 30. See the paragraph titled Mathematics Diagnostic Test in the Program section of this Calendar.  
**NOTE:** Credit for both Mathematics 211 and 221 will not be allowed.

**NOTE:** The Faculty of Science policy on pre- and co-requisite checking is outlined on page 198 of the 2003-2004 Calendar. **It is the students' responsibility to ensure that they have the pre- and co-requisites for the course. If they do not, they will be withdrawn from the course without notice.**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	[1]	20%	
Quizzes	[5]	30%	[Best 4 of 5]
Final Exam		50%	

**There will be a final examination scheduled by the Registrar's Office.** A passing grade on the final exam is essential to passing the course as a whole. 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. Please also see page 40 and pages 42-44 of the 2003-2004 Calendar for additional information.

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 tests, Saturday laboratory examinations, weekend field trips, etc.):**  
REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY

A mid-term exam is tentatively schedule for Thursday, February 26 at 19:00 running for 90 minutes.

A make-up exam will be scheduled for the midterm examination roughly one week after the regular time in the evening. Students with legitimate reasons for missing the regular exam must provide documentation to the instructor as soon as possible to be granted permission to take the make-up exam.

Department approval: \_\_\_\_\_ Date: \_\_\_\_\_

Approval for Out-of-Class-Time activities: \_\_\_\_\_ Date: \_\_\_\_\_

8. **Text:** Elementary Linear Algebra (8<sup>th</sup> Edition)  
**Author:** Howard Anton

9. There will be five quizzes, each of duration 35 minutes or less, administered during the regularly scheduled labs of this lecture section. There will be one mid-term test, and a three-hour final exam. A passing grade on the final exam is necessary to pass the course.

The Lab sections attached to this course run immediately following the lecture (the lecture is officially from 19:00-20:15). The lab instructor for these sections is Bauer.

The midterm exam is tentatively scheduled for the evening of Thursday, February 26 at 19:00.

10. Calculators **ARE NOT** permitted at quizzes, mid-term test, or the final exam.
11. In addition to the instruction provide by their lecturer and tutorial instructor, there is a continuous tutorial available where students may obtain individual help with questions about the course material and exercise problems. Faculty members and graduate students will be available in the continuous tutorial room to answer questions in a one-to-one fashion. The continuous tutorial is located in MS 569 on Mondays and operates from 11:00-16:00, and is located in MS 365 on Fridays and operates from 11:00-16:00.
12. **SCUM**  
The Society for Calgary Undergraduate Mathematics is located in MS 337A. They sell exam packages, run final exam reviews, and can often assist with problems. The office is open from 10am to 3pm Monday-Friday, and you are welcome to drop by their office. They look forward to meeting you.
13. **Homework Problems.** Homework will not be collected in this course. However, you will be expected to do problems to keep up with the material taught in the course. A list of suggested homework problems can be found from the course home page, [www.math.ucalgary.ca/~mbauer/math221](http://www.math.ucalgary.ca/~mbauer/math221). Any problem found here may be considered fair game for the quizzes. The list of problems should be considered the MINIMUM number of problems you should do to ensure understanding for the material covered in the course. You are strongly encouraged to do more problems.