UNIVERSITY OF CALGARY

FACULTY OF SCIENCE

Mathematics and Statistics - MS 476
Ph: (403) 220-5203

COURSE INFORMATION SHEET

WINTER 2007

1. **Course**: APPLIED MATHEMATICS 309 -- Vector Calculus for Engineers
   Lecture/Time: L01 MWF 08:00-08:50
   Instructor: G. Boucher
   Office/Phone/Email: MS 348 220-4819 garth@math.ucalgary.ca

2. **Prerequisites**: AMAT 219
   NOTE: The Faculty of Science policy on pre- and co-requisite checking is outlined in the current University Calendar (see www.ucalgary.ca/pubs/calendar) *Faculty of Science, section 5C*. **It is the students' responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**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. **Academic Accommodations**: It is the student's responsibility to request academic accommodations. A student with a documented disability who may require academic accommodation must register with the Disability Resource Centre to be eligible for formal academic accommodation. DRC registered students are required to discuss their needs with the instructor no later than fourteen (14) days after the start of this course.

5. **The University policy on grading and related matters** is described in the current University Calendar, *Academic Standings*. In determining the overall grade in the course, the following weights will be used:

Assignments	[4]	20%
Midterm Test	[2]	40%
Final Exam		40%

   There will be a final examination scheduled by the Registrar's Office. The use of aids such as open book, etc**. is not** permitted.

6. **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are outlined in the current University Calendar, *Faculty of Science, section 6A*. It is the student's responsibility to familiarize herself/himself with these regulations.

7. **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 current University Calendar. See: http://www.ucalgary.ca/honesty/

8. **Dates and times of class exercises held outside of class hours (evening tests, Saturday laboratory examinations, weekend field trips, etc.):**

   THERE WILL BE TWO 120 MINUTE MIDTERMS SCHEDULED AS FOLLOWS:
   February 12, 2007 19:00-21:00
   March 21, 2007 19:00-21:00

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME ACTIVITY. If you have a conflict with this out of class time activity, please inform your instructor at least one week in advance of the activity so that other arrangements may be made for you.

8. **Dates and times of class exercises held outside of class hours:** Two midterm examinations: Feb 12, 7-9 pm, and Mar 21, 7-9 pm (Monday and Wednesday evenings, respectively). *Regularly scheduled classes have precedence over any out-of-class-time activity.* If you have a conflict with either of these times, please inform your instructor as soon as possible (but at least one week in advance of the activity) so that other arrangements may be made for you.

9. **Lectures and tutorials:** There are three lectures per week. You will be responsible for everything that is covered in lectures—both course material and logistical announcements. If you have to miss a lecture, find out from another student what you missed.

   There will also be a one-and-a-half-hour "tutorial" period, Fridays at 3. No new material will be covered in the tutorial, but rather we will go over examples to illustrate and clarify the concepts presented in the lectures.

10. **Assignments and problem sets:** Practice problem sets will be given roughly every week, which will not be handed in, although completing them is essential to learning the material—mathematics is learned by *doing,* not by watching.

    In addition, there will be four assignments to be handed in. These will consist of 9–12 problems, of which three or four (chosen at random) will be marked. The four assignments will count 20% towards your final grade. The problems on these assignments will range in difficulty from medium to quite challenging, and so it is important to spend some time on them. You will get at least two weeks to work on each assignment.

    Assignments must be neatly written, on one side of the paper only, and stapled. Assignments that are deemed to be too messy may not be accepted. The Departmental policy about assignments is or will be posted on the course website. An important part of the assignments is the presentation of solutions; part of the purpose of having assignments is for you to learn how to write a logical argument and present your solutions.

    You are encouraged to work together on assignments; however, your write-up must be your own. Outright copying of another student's solution is plagiarism, and will be treated as such.

11. **Tests:** There will be two midterm tests, on Feb 12 and Mar 21, in the evening. Test problems will be a range of difficulty from straightforward to reasonably challenging. (Typically, the hardest problem on a test will be less difficult than the harder problems on an assignment.) We will provide more information about the midterms closer to the date. Each midterm will count for 20% of your final mark.

12. **Course information:** A lot of the information about this course will be posted online, either on a course website (Boucher) or on Blackboard (Hamilton). Check these sites regularly for course announcements and other information.