

**COURSE INFORMATION SHEET**  
**SUMMER 2008**

**1. AMAT 309 - Vector Calculus for Engineers**

Lecture	Days	Time	Location	Instructor	Office	Phone
L60	MWR	19:00-20:50	MS 527	Dali Zhang email: <a href="mailto:dlzhang@math.ucalgary.ca">dlzhang@math.ucalgary.ca</a>	MS 590	220-7346
T60	MWR	18:00-18:50	MS 371	Sergey Zhukovskiy email: <a href="mailto:sergey@math.ucalgary.ca">sergey@math.ucalgary.ca</a>	MS 342	220-4541

**2. Prerequisite(s): AMAT 219 Corequisite: None**

**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](http://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responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**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:

Quizzes – best 3 of 4	25%
Mid-term exam	25%
Final Exam	50%

**A passing grade in the final exam is required to pass the course.** There will be a final examination scheduled by the Registrar's Office. Exams and quizzes will be closed book. The use of calculators in tutorials, tests, or final examination 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. There will be no out-of-class activities.**

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

**9. Textbook:** Calculus, A Complete Course, Sixth Edition by Robert A. Adams, Addison-Wesley.

#### 10. Important Dates

Date		Notes
Jul 02	Wed	Lectures begin
Jul 04	Fri	Last day to change registration in Summer session courses. No fee refunds for withdrawals after this date.
Jul 10	Thu	<b>Quiz 1</b> (during tutorial time, MS 371)
Jul 21	Mon	<b>Quiz 2</b> (during tutorial time, MS 371)
Jul 23	Wed	Mid-term break. No lectures.
Jul 24	Thu	<b>Mid-term Examination</b> (during lecture time, ST 126)
Jul 31	Thu	<b>Quiz 3</b> (during tutorial time, MS 371)
Aug 04	Mon	Alberta Heritage Day – No Lectures.
Aug 11	Mon	<b>Quiz 4</b> (during tutorial time, MS 371)
Aug 14	Thu	Last day of lectures. Last day to withdraw from Summer session courses.
Aug 15 -18	Fri - Mon	<b>Final Examination Period</b>

**11. Attendance** This course is a seven-week class in the summer semester. The course is intended to cover the usual vector calculus material at a fast pace. It is important to attend all lectures and tutorials. Do not fall behind in this class.

**12. Tutorial and Homework** The tutorial is an important component of this course. Tutorials are each of 50 minutes duration before the lecture. There is **no tutorial on Wednesday July 2**, the first day of class. The first tutorial occurs on Thursday July 3. On non-quiz tutorials, worksheets will be provided with problems to work on during the tutorial period. If you have problems with any question you can ask your tutorial instructor for help during this time.

Students are encouraged to work on problems in exercises of the textbook. Homework problems chosen from the textbook will be assigned during every lecture. Homework assignments will not be graded and will not count for your final grade in the course. The textbook has solutions for odd-numbered exercises.

**13. Office hours** are Monday between 14:00 to 15:00 and Wednesday between 17:00 to 18:00. I will be available during office hours or you may make an appointment for some other time.

#### 14. Tentative Schedule

Week	Date	Sections of Text
1	Jul 02-03	11.1, 11.2, 11.3, 11.4, 11.5
2	Jul 07-10	12.1, 12.2, 12.3, 12.4, 12.5, 12.7, 12.8
3	Jul 14-17	13.1, 13.2, 13.3, 14.1, 14.2, 14.4
4	Jul 21-24	14.5, 14.6
5	Jul 28-31	15.1, 15.2, 15.3, 15.4, 15.5, 15.6
6	Aug 04-07	15.6, 16.1, 16.2, 16.3
7	Aug 11-14	16.4, 16.5, 16.6