

Math 214 Section Q1
Intermediate Calculus I
Winter 2010

Time & Location: MWF 10:00-10:50, DP 2099

Instructor: Vladyslav (Vlad) Yaskin

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Office Location: CAB 583, **Phone:** 780-492-0216

Office Hours: MWF 11:00 - 11:50 or by appointment.

Course Web Page: <http://www.math.ualberta.ca/~vladyaskin/math214.html>

Text: Thomas' Calculus (Media Upgrade) 11th edition. There is also a solution manual containing solutions to odd-numbered problems.

Course outline:

Chapter 11. Infinite Sequences and Series.

Sections 11.1 to 11.10

Chapter 10. Conic Sections and Polar Coordinates.

Review of parametric equations in sections 3.5 & 10.4; sections 10.5 to 10.7

Chapter 12. Vectors and the Geometry of Space.

Sections 12.1 to 12.6 (12.6 if time allows)

Chapter 13. Vector-Valued Functions and Motion in Space.

Sections 13.1, 13.3 to 13.5 (13.5 if time allows)

Chapter 14. Partial Derivatives.

Sections 14.1 to 14.10 (14.10 if time allows)

Prerequisite: MATH 115 or equivalent.

Grading: Quizzes	10%	Fridays
Assignments	10%	Jan. 27, Feb. 24, Mar. 17, Apr. 07
Midterm exam	30%	Friday, February 26
Final exam	50%	Tuesday, April 20, 9:00 - 11:00 a.m.

The grades will be assigned according to the official University distribution for second year courses, see the University of Alberta Marking and Grading Guidelines.

Exams: Your student photo I.D. is required at exams to verify your identity. Students will not be allowed to begin an examination after it has been in progress for 30 minutes. Students must remain in the exam room for at least 30 minutes from the time the exam commenced.

During exams and quizzes students are not allowed to use textbooks, notes, formula sheets, calculators, cell phones, or any other electronic equipment.

Missed exams: If a student cannot write the midterm exam for a legitimate reason, such as illness, then the weight of the midterm will be transferred to the final exam. There will be **no deferred midterm exam**.

Students who cannot write the final exam can apply for a deferred final examination. Such an application must be made to the student's Faculty office within 48 hours of the missed examination.

Deferred final: Saturday, May 8, 2010, 9:00 - 11:00 a.m., room to be announced.

Reexamination: A student who writes the final examination and fails the course may apply for a reexamination. Note that reexaminations are rarely granted in the Faculty of Science.

Assignments: There will be four written homework assignments due by 5 p.m. on the following days: Jan. 27, Feb. 24, Mar. 17, Apr. 07. Problems will be posted on the course web-page. You must turn in complete solutions and not just answers. In addition, your work should be clear and neat. Assignments should be placed in the appropriate assignment box on the 3rd floor in CAB. **No late homework will be accepted.**

Quizzes: Quizzes will be given on Fridays. There will be no make-up quizzes. Your lowest quiz score will be dropped. If you miss more than one quiz, these quizzes will be dropped only if you have a valid excuse.

You are expected to review carefully all graded quiz, assignment and exam papers as soon as they are returned. All questions and/or perceived discrepancies about the grading must be reported within **one week** of the date on which the paper was returned.

Attendance: It is the student's responsibility to attend every class. Those who choose not to attend must assume whatever risks are involved.

Academic Integrity: The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (online at www.ualberta.ca/secretariat/appeals.htm) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

All forms of dishonesty are unacceptable at the University. Cheating, plagiarism and misrepresentation of facts are serious offenses. Anyone who engages in these practices will receive at minimum a grade of zero for the exam or paper in question and no opportunity will be given to replace the grade or redistribute the weights. Any offense will be reported to the Senior Associate Dean of Science who will determine the disciplinary action to be taken. Typical sanctions for serious violations of the Code have included disciplinary grade reductions, disciplinary failing grades, suspension or permanent expulsion from the University.

Students With Disabilities: Students who require accommodation in this course due to a disability are advised to discuss their needs with Specialized Support & Disability Services (2-800 Students' Union Building).