

Vector Calculus, 03-62-215, Fall 2015, Sections 1 & 2

Course Outline

Instructor: Dr. R. Barron (Lambton Tower, Room 9-103, e-mail: az3@uwindsor.ca)

Office Hrs: Monday, 1:00pm – 3:00pm; Wednesday, 1:00pm – 3:00pm

Lectures: **Section 1:** Monday, Wednesday; 10:00am - 11:20am (G133 CHN)

Section 2: Monday, Wednesday; 8:30am - 9:50am (104 Toldo HEC)

Tutorials: **Section 1:** Friday: 10:30am - 11:20am (G133 CHN)

Section 2: Friday: 9:30am - 10:20am (202 Toldo HEC)

NOTE: Some lecture and tutorial times may be interchanged.

Textbook: Multivariable Calculus by W. Briggs, L. Cochran and B. Gillett, 2nd Edition

Course Content: Quadric surfaces; vector and multivariable differential calculus; multiple integrals; line and surface integrals; Green's theorem; Stokes' theorem, divergence theorem. (Sections 11.5 – 11.9, Chapters 12, 13, 14)

Prerequisites: 62-141, and 62-126 or 62-120 or 62-125

Course Website: <http://clew.uwindsor.ca> Login with your UWin ID and password.

Assignments: A complete list of assigned problems for the course will be posted on the CLEW site. Problems from this list will be assigned in class every week, but will not be graded. **Doing the assigned weekly problems is the minimum practice needed to pass this course.**

Grade Determination:

Midterm 1 (location TBA): Saturday, October 24 (10:00am – 11:30am); 25%

Midterm 2 (location TBA): Saturday, November 21 (10:00am – 11:30am); 25%

FINAL EXAM (location TBA): Friday, December 11 (12:00 noon – 3:00pm); 50%

Your final mark for the course will be calculated according to the following alternative weightings of tests and final exam. **You will receive the highest mark from these calculations.** Any question regarding grading must be submitted to the professor within one week of the grades being posted.

	Test #1	Test #2	Final Exam
Option 1	25%	25%	50%
Option 2	Worst test: 10%; Other test: 25%		65%

Remarks: 1. **NO MAKE-UP TESTS WILL BE GIVEN.** Percentages for tests missed for legitimate reasons, as determined by the professor, accompanied with appropriate documentation (Medical Certificate form available on CLEW site), will be added to the Final Exam weight.
2. The last day to withdraw without a grade assignment is November 16, 2015.

Cheating: The University of Windsor subscribes to the strictest interpretation of academic integrity. Faculty members and students bear joint responsibility in assuring that cheating on assignments or any examination is not tolerated. Students who engage in academic dishonesty will be subject to disciplinary action under Senate Bylaw 31: Student Affairs and Integrity. All incidences of cheating will be reported. Allowing and/or aiding another student to copy from your paper are also considered cheating.

Copyright on Lectures: Students can tape lectures provided that the recording is for their own personal use. The right to record does not extend beyond the student's use for personal study. For any other use, students must obtain the permission of the professor in question. If a student shares or disseminates a recorded lecture in any way, thereby breaching copyright legislation, s/he will be subject to University misconduct policies, at minimum.

Calculators, etc.: No calculators, cell phones, ipods or other electronic devices will be allowed in the tests or final examination.

Exam Conflicts due to Observance of Religious Holidays: Students who are unable to write the final exam during the regularly scheduled time slot because of a conflict with religious conviction must apply for an alternative exam by the end of the normal add/drop period of the semester. The Office of Registrar will schedule the alternative exam in another slot within the regular examination period. Please download the appropriate form from <http://www.uwindsor.ca/registrar> and submit to the Office of Registrar. **Note: These applications must be submitted by the end of the fourth week of classes.**

Writing three or more exams on the same day: A student scheduled to write three invigilated final exams in one calendar day may apply to have one exam rescheduled on an alternate examination day. The determination of which exam shall be rescheduled and the date of the alternate exam (may be the last possible day of the examination period) shall be made by the Vice-Provost, Students and Registrar. Please download the appropriate form from <http://www.uwindsor.ca/registrar> and submit to the Office of the Registrar.

Instructor Evaluation: SET forms will be distributed during the last two weeks of classes.