

Math 3012 Course Outline

Instructor: A. Dean , RB 2009, ext 8689. email: andrew.j.dean@lakeheadu.ca

Office Hours: Monday 11:30-12:30, Wednesday 11:30-12:30 or by appointment.

Text: *Multivariable Calculus*, Stewart, 6-th edition, Brooks/Cole.

Supplementary Text: Student Solution Manual for the text.

Schedule

Week	Sections Covered	Homework
Sept 13	13.1-13.4	13.1# 36 13.2# 28, 42 13.3# 20, 24, 52 13.4# 6, 36
Sept 20	13.5, 13.6, 14.1	13.5# 26, 28, 46 13.6# 21-28, 42 14.1# 4, 38
Sept 27	14.2-14.4	14.2# 26, 32, 38 14.3# 20, 44 14.4# 12, 20, 28
Oct 4	15.1-15.3	15.1# 10, 40, 48 15.2# 16, 18, 32, 40 15.3# 20, 28, 82
Oct 11	15.4, 15.5	15.4# 6, 28, 36 15.5# 2, 10, 24, 32
Oct 18	15.6, 16.1, 16.2 Test # 1 on Oct 18	15.6# 10, 24, 42 16.1# 2, 18 16.2# 6, 10, 30
Oct 25	16.3-16.5	16.3# 26, 40, 50 16.4# 8, 24 16.5# 8, 16, 24
Nov 1	16.6-16.8	16.6# 16, 12, 32 16.7# 22, 28 16.8# 10, 24, 32
Nov 8	16.9, 17.1, 17.2	16.9# 4, 12, 20 17.1# 11-14, 22, 29 17.2# 4, 22, 36, 42
Nov 15	17.3-17.5 Test # 2 on Nov 15	17.3# 6, 20, 22 17.4# 4, 6, 14 17.5# 8, 14, 28, 38
Nov 22	17.6, 17.7	17.6# 13-18, 22, 24, 46 17.7# 8, 14, 16, 24
Nov 29	17.8, 17.9	(Not handed in) 17.8# 3, 5, 9, 17 17.9# 5, 13, 19, 27

Grading Scheme: There will be two term tests worth 20% each. The homework will count for 20%, and the final exam will be worth 40%.

Homework: Each week the problems **from the preceding week** in the homework column of the schedule are to be handed in. There will be a mailbox for these on the second floor of RB. They are due on **Fridays at 4pm** (so, for example, the questions on sections 13.1-13.4 are to be handed in by 4pm on Friday Sept 24). Shortly after this time

the mailbox will be emptied, and it will not be examined again until the next week. Late assignments will not be accepted. Solutions to the problems will be distributed by email.

Term Tests and Final Exam: The two term tests will be held during the lab hour in the lab room (the dates are on the schedule). They will be **closed book with no calculators or other aids allowed**. The material the tests will cover will be announced in class as the dates draw near. **The final exam will also be closed book with no calculators or other aids allowed**. The final exam will cover the whole course.

Marking Disputes: If you feel you have been treated unfairly in the marking of a test or assignment, **put your complaint in writing on the front of the paper and return it to the instructor**. Do not put it back in the assignment box.

Drop Date: The final date to withdraw from this course without academic penalty is Friday November 5.

Special Exams: Students who fail this course but attain a mark of 40% may be entitled to write a special exam. See the calendar for details.

Academic Dishonesty: All cases of academic dishonesty will be dealt with according to the university's Code of Student Behaviour and Disciplinary Procedures, copies of which are available from the registrar.