

Differential Calculus, 62-140

Fall 2013, Section 4

Instructor: Dr. Abida Mansoor
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Extension : 3026
Office hours: Monday and Wednesday 10:00 am – 11:00 am and 12:30 pm – 2:00 pm
Classes: MW: 2:30pm – 3:50 pm and F: 2:30 pm – 3:20pm (Chrysler Hall North G 133)

Labs:

All students must be registered in one of the lab section excluding Section 61 or 62. Labs begin the week of Monday, September 16, and run until Monday, December 2. Each section will have a total of 11 labs. **Attendance in the labs is mandatory.** Weekly assignments will be given during each lab, and students are expected to complete the assignments *during lab time*. The lab assignments must be handed in *by the end of each lab*. **Remember to bring paper, pens/pencils, and calculator to your lab.**

Lab assignments constitute 20% of the final grade in the course. Further, **to pass the course, students must obtain an average of at least 50% in the labs, as well as a weighted average of at least 50% in the examinations (midterm exams and final exams).** As per senate bylaw 51 1.1.3, the lab in the final week of classes will not be considered in the calculation of your final grade. Further, only the best 9 of the remaining 10 labs will be counted in the calculation of your grade. In this way, if a student misses a single lab (for a valid reason), the missed lab will not contribute to the student's grade.

The lab demonstrator(s) will assist you with your assignments, review lecture material and answer your questions. The material to be covered in each lab will be posted on CLEW in the week before the lab takes place. Be sure to check the website weekly for these updates.

Textbook: *Single Variable Calculus – Early Transcendentals* (7th Edition), by J. Stewart. A Student Solutions Manual is bundled with the textbook. Note that this book is also used as the textbook for 62-139 and 62-141.

Course contents: (4 lecture hours, 2 labs hour a week.)

Topics include: Trigonometric functions and identities, inverse trigonometric functions, limits and continuity, derivatives and applications, Mean value theorem, indeterminate forms and l'Hospital's rule, antiderivatives, introduction to definite integrals.

The following sections from the textbook will be covered:

Appendix C, Appendix D, Chapter 1 (1.1 - 1.3, 1.5, and 1.6), Chapter 2, Chapter 3 (3.1 - 3.6, 3.9 - 3.11), Chapter 4 (4.1 - 4.5, 4.7 - 4.9), and Sections 5.1 and 5.2.

Some minor changes may have to be made as the term progresses.

Prerequisites: Grade 12 Advanced Functions and Grade 12 Calculus and Vectors or equivalent or 62-101.

Antirequisite: 62-139

Course website: Available at <http://clew.uwindsor.ca> (login with your UWin ID and password).

Mathematics and Statistics Learning Centre: The math and stats learning centre is located in 3125 Erie Hall. Free tutoring is available between 10:00am and 4:00pm, Monday to Friday, for this course and other first year math and stats courses. No appointment is necessary.

Calculators: Only non-graphing and non-programmable calculators are permitted in any evaluation (lab assignments, tests, or final exam).

Homework Assignments: Recommended reading and exercises will be assigned regularly. These assignments will be given for your practice and will NOT be graded. .

Grade determination:

Lab Assignments (in lab): In the lab section that you are registered. The best 9 of the 10 labs assignments will be counted in the calculation. 20 %

Test 1: Saturday, October 5 (9:00 am - 10:20 am) (location TBA) 15 %

Test 2 : Saturday, November 2 (9:00 am - 10:20 am) (location TBA) 15 %

Final Exam: Monday, December 16 (7:00 pm - 10:00 pm) (location TBA) 50 %

Remarks: There will be no make up tests. If a test is missed for a legitimate reason, with valid written proof, its value will be added to the value of the final examination. If the final is missed with a legitimate reason, the student should contact the Registrar's Office for a request to write make up exam. *You should provide the Student Medical Certificate if you miss a test, or the final exam due to illness. The form is available on the course website.*

There are no supplemental exams privileges in this course.

Important Dates:

1. Last day to add/drop the course is September 18 (Wednesday).
2. Last day for voluntary withdrawal is November 6 (Wednesday).
3. Thanksgiving Holiday, October 14 (Monday) No classes.
4. Course evaluation will be conducted during the last two weeks of classes.
5. Last day of classes is December 2 (Monday).

WRITING THREE OR MORE EXAMS ON THE SAME DAY

A student scheduled to write three invigilated final examinations in one calendar day may apply to have one examination rescheduled on an alternate examination day. The determination of which examination shall be rescheduled and the date of the alternate examination (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.

EXAM CONFLICTS DUE TO OBSERVANCE OF RELIGIOUS HOLY DAYS.

Students who are unable to write a final examination(s) during the regularly scheduled time slot because of a conflict with religious conviction must apply for the alternative examination(s) in the course(s) involved by the end of the normal add/drop period for the particular session. The Registrar's Office will schedule the alternative examination(s) for those students in another slot(s) within the regular examination period. Please download the appropriate form from <http://www.uwindsor.ca/registrar> and submit to the Office of the Registrar.

Note: These applications must be submitted by the end of the fourth week of classes.