

MAT 1322 D Calculus II Fall 2013

Instructor: Dr. Catalin Rada

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Website: I use Virtual Campus and/or <http://mysite.science.uottawa.ca/crada102/>

(Note: the website and Virtual campus are very important to the course - students are expected to be aware of all material and announcements posted there.)

Office Hours: TBA Other times may be arranged by appointment.

Text: *Calculus: Concepts and Contexts* by James Stewart, 4th Edition.

Lectures: Lecture 1 Monday 17:30 - 19:00 ART 033; Lecture 2 Wednesday 17:30 - 19:00 DMS 1160

DGD's: You may attend any of the DGD's (Labs). Attendance is optional.

DGD 1 Thursday 16:00 - 17:30 STE H0104

DGD 2 Wednesday 19:00 - 20:30 STE B0138

During the DGD's, a Teaching Assistant (TA) will help you solve practice problems and explain the solutions to assignment problems handed in previously. *These problems provide excellent practice for the midterm tests and the final exam, which will consist of similar problems.*

Midterm Tests: There are two 80-minute midterm tests, written during the lecture period:

Test 1: 7th of October, Covers §5.10 - 7.4

Test 2: November the 18th, Covers §7.5 - 8.6

Final Examination: The 3-hour final exam will be scheduled during the exam period. It will cover all of the material of this course.

Calculation of the final grade: Assignments 10%, Midterm Tests 2 × 20%, Final Exam 50%.

Note: if your final exam mark is below 40%, then your final grade will be **F** regardless of other marks.

Midterm Test Procedures:

- If a midterm is missed for a valid reason, its percentage weight will be transferred to the final exam, provided you notify your professor by e-mail *before* the test is written and submit a proper justification (e.g., certificate from UO Health Services) when you return to class.
- Only those scientific calculators approved by the Faculty of Science will be permitted on the midterm tests and on the final exam. They are the TI-30, TI-34, Casio fx-260 and Casio fx-300. There will be no exceptions. *Don't forget to set your calculator to radians!*
- Students may not enter after or leave before 20 minutes have passed from the beginning of a test.

- Students must present their student cards if asked.
- Any attempt at copying is treated as a case of academic fraud, as is the facilitation of copying by others. Students must take reasonable care to prevent others from copying their work.
- Any questions concerning marks or the marking must be submitted to the professor within two weeks after the test.

Assignment Procedures:

- The majority of assignments will be turned in electronically via the MapleTA program. Some handwritten assignments will nevertheless be given.
- For electronic assignments, you will usually have the opportunity to redo a given assignment as many times as you like before the deadline. As each assignment is personalized, the questions will not be the same, but will be of the same general type. Only the highest mark you receive on a given assignment will be counted toward your final grade. After each attempt, you may consult the solutions and compare them with your responses; you are strongly encouraged to do each assignment at least twice for practice. Look at your assignment as early as possible and ensure that you've completed them before the due date. You will find your password for MapleTA under the Grades section of Virtual Campus.

http://www.mathstat.uottawa.ca/ugrad/MapleTA_en.html

<http://place32.placementtester.com:8080/uottawa/login/login.do>

- Handwritten assignments must be handed in with a *stapled printout* of the problem sheets at the *beginning* of class on the day it is due (usually on Wednesdays at 17:30). *Be sure to be in class on time* to hand in the assignment. Late assignments will not be accepted under any circumstances. If you are unable to hand in an assignment for a valid reason, it will not be counted provided you notify the professor by e-mail *before* the assignment is due and submit a proper justification (e.g., a certificate from UO Health Services) as soon as possible. If you did complete an assignment but are unable to come to class, you may ask another student to hand it in for you. Any student handing in an assignment for another student must notify the professor - attempting to hand in an assignment for another student without notifying the professor is treated as a case of fraud.
- Solutions to an assignment will be posted on the course website shortly after it is handed in. Point-values will be indicated on the solutions.

Need Help? You can get help at the *Mathematics Help Centre* and at the four weekly DGD's. The Help Centre is located in Marion 021.

The Math Help Centre is an excellent resource to receive help regarding course material and practice exercises. Again, it is located in Marion 021. From September 10 until November 30, except during the Study Week, the hours of operation of the Math Help Centre are:

Monday-Wednesday: 10:00-19:00 Thursday: 10:00-17:00 Friday: 10:00-15:00

During the Study Week (October 22-26) the Math Help Centre will be open on Wednesday, Thursday, and Friday from 10:00 a.m. until 3:00 p.m. It will be closed on Monday October 22 and Tuesday October 23. From December 3 to December 19 (inclusive), the Math Help Centre is open from 10:00 a.m. to 5:00 p.m. Monday to Friday.

The second Help Centre in Marion 023 is intended for the Statistics courses. The staff at the Help Centre and the TA's in the DGD's will be pleased to help you solve the practice problems or other problems from the text, but *not problems on the next assignment*. If you have difficulties with an assigned problem, ask for help with a similar problem from the text instead. If you have difficulties with the material presented in the lectures rather than with particular problems, see your professor during office hours or make an appointment.

Suggested Exercises:

- §5.10 p421 # 3, 5, 7, 9, 11, 13, 15, 19, 23, 25, 29, 31, 43, 45, 47, 51
§6.1 p436 # 1, 3, 5, 7, 9, 11, 13, 15, 17, 23, 25, 27
§6.2 p446 # 1, 3, 5, 7, 9, 13, 17, 33, 35, 39, 41
§6.3 p453 # 3, 5, 7, 9, 13, 15
§6.4 p458 # 7, 9, 15, 25
§6.5 p463 # 1, 3, 5, 15, 17
§6.6 p472 # 3, 5, 7, 11, 13, 17, 21, 29, 39, 43, 47
§7.1 p498 # 1, 3, 5
§7.2 p506 # 1, 3, 5, 7, 19, 21, 23
§7.3 p514 # 1, 3, 5, 7, 9, 11, 13, 15, 39, 41, 45, 47
§7.4 p527 # 3, 7, 9, 11, 13, 15, 17
§7.5 p538 # 1, 3, 5, 9
§8.1 p562 # 3, 5, 9, 11, 13, 15, 19, 23, 25, 27, 29
§8.2 p572 # 9, 11, 13, 15, 17, 19, 21, 23, 25, 31, 33, 41, 43, 47
§8.3 p583 # 3, 7, 9, 11, 13, 15, 17, 19, 21, 25, 27, 31
§8.4 p591 # 3, 5, 7, 9, 13, 15, 19, 21, 23, 25, 27, 29, 37, 41
§8.5 p597 # 3, 5, 7, 9, 13, 15, 19, 21, 27
§8.6 p603 # 3, 5, 9, 11, 13, 17, 23, 25, 27
§8.7 p616 # 3, 5, 7, 9, 13, 15, 23, 25, 27, 29, 31, 33, 39, 41, 43, 45, 47, 51, 53, 55, 59, 63
§9.6 p680 # 15, 17, 27
§11.1 p745 # 11, 15, 17, 21, 23, 25, 27, 29, 35, 37, 39, 41, 43
§11.3 p766 # 5, 7, 15, 17, 19, 21, 25, 27, 29, 31, 33, 39, 41, 51, 53, 57, 59, 61, 63, 65, 67
§11.4 p778 # 1, 3, 5, 15, 17, 19, 23, 29
§11.5 p786 # 1, 3, 5, 7, 9, 11, 13, 21, 23, 25, 27, 29, 43, 51
§11.6 p799 # 5, 7, 9, 11, 15, 17, 21, 23, 27, 31, 39