COURSE OUTLINE: Mathematics 204 Calculus IV Section [A01 CRN 30537]

INSTRUCTOR: Marcelo Laca DTB A548 email: laca

LECTURES: Mondays & Thursdays 10:00-11:20AM DTB A120.

OFFICE HOURS: Mondays & Thursdays 11:30-12:20AM, by email or by appointment.

TEXTS: Thomas, Ch. 16 Calculus: Early Transcendentals, 13th Ed., Ch. 16.

Edwards and Penney, Differential Equations & Boundary Value Problems

second custom edition for University of Victoria, 2016, Chs. 1-6.

UVic Bookstore or SUBtext may have used copies, first edition is also OK.

SYLLABUS: Sections 14.9, 16.1-8 of Thomas' textbook and Sections 1.1-6; 2.1-2; 3.1-7; 4.1-6; 5.1-2; 6.1-4 of Edwards and Penneys' textbook.

TUTORIALS: Math 204 has a one-hour weekly tutorial component on Friday, which you should regard as an essential fourth hour of instruction. The first tutorial session takes place Friday 5 May. You will hand in homework at the tutorials, and write the midterms there as well. Students in tutorials will be divided up into a number of small problem-solving groups. The problem-solving techniques and methodology presented in the tutorial will be of precisely the same type as required in the final examination.

The topics to be discussed in each tutorial are indicated on the COURSE SCHEDULE. It is important that you have attempted the related RECOMMENDED PROBLEMS for the sections to be discussed BEFORE you go to the tutorial, so that you can take part in the group discussions. It is also important that you participate in the tutorial discussions as some topics and techniques may ONLY be discussed in the tutorial. Most students find Math 204 to be a difficult course. You should plan on 100% attendance at the lectures and the tutorials, as well as completing all homework, to maximize your chances of success in the course.

EXAMINATIONS AND GRADING: There will be FIVE HW ASSIGNMENTS due at the beginning of your tutorial session on May 12 and 26, June 30, and July 14 and 28; one MIDTERM TEST held in the tutorial on Friday June 9 and a three hour FINAL EXAMINATION scheduled by the University in the period 8-18 August. There will be no make-up midterms and no late HWs.

There is a list of Recommended Problems from the textbook for you to work through and check your answers, but not hand in. Off-schedule Final Examinations are not given except in accordance with the regulations on *Illness*, *Accident or Family Affliction at Exam Time* in the UVic Calendar. Deferred status is granted only for Final Examinations.

Missing assignments or Midterms: DON'T! But if you must, and if you have a documented legitimate reason for missing up to two HW assignments or the midterm, then your performance on the rest of the graded work will be used to compute a fair numerical score for the missed midterm. This may include shifting up to 10% of the weight to the relevant sections of the final exam. Missing more than that under any circumstances will require that we meet and discuss your standing in the course.

FINAL GRADE: Your grade will be determined by assigning 30% weight to the midterm, 20% weight to the assignments and 50% weight to the final examination. Alternatively, pending approval and **provided that you have completed the Midterm and at least three HWs**, I will assign 100% weight to the final exam, if this results in a better grade percentage.

The only acceptable calculator for midterms and the final examination is the Sharp EL-510.

UNDERGRADUATE LINK: You MUST READ the following information, which outlines the new University-wide grading table, academic integrity, attendance, calculators, Assistance Centre, and other important topics:

http://www.uvic.ca/science/math-statistics/undergraduate/course-policies/index.php