MATH 2120 – Methods for Ordinary Differential Equations – Fall 2014

Lectures: Tues., Thurs. at 11:30am–1:00pm in Mona Campbell Building, Room 1108

Instructor: Justin Tzou, Chase Building, Room 254, tzou.justin@gmail.com

Office Hours: Tues. 1:30pm–3pm, Thurs. 3pm–4:30pm, or by appointment

Website: `http://www.mathstat.dal.ca/~tzou`

Text: Elementary Differential Equations with Boundary Value Problems, 6th edition, Edwards and Penney (one copy on reserve in the library)

Co-requisite: MATH 2030.03

Outline (approximate)**:** first order equations, homogeneous and nonhomogeneous second order equations, method of Laplace transforms, systems of first order linear equations, nonlinear systems (time permitting), basic bifurcation theory; corresponds roughly to Chapters 1,2,4,5,7 of the text.

Evaluation: 5% homework, 15% quizzes, 30% midterm, 50% final. Homeworks will be graded mainly for completion at the discretion of the grader. There will be six 15 minute quizzes based on the previous week's homework, and will be held at the beginning of class on the day the homeworks are due; your worst quiz grade will be dropped. Makeup quizzes will be given only with a properly documented excuse (e.g., illness with note from doctor). The midterm will be held on October 30th. All exams, including quizzes, are closed book with no phones or calculators; final grades may be scaled. Letter grades will be assigned according to the Dalhousie Common Grade Scale: [90,100] A+, [85,90) A, [80,85) A-, [77,80) B+, [73,77) B, [70,73) B-, [65,70) C+, [60,65) C, [55,60) C-, [50,55) D, [0,50) F

Intellectual Honesty and Plagiarism: Collaboration on homeworks is allowed, but the material handed in for grading must be written up individually and independently. Copying on quizzes, the midterm, and final will be dealt with according to university policy. Please do not do it. For more details, please read the section on academic honesty in the student calendar.

Students with disabilities are encouraged to register at the Student Accessibility Services if they want to receive academic accommodations. To do so, either go to the Killam office, phone (902) 494–2836, email access@dal.ca, or visit their website `www.studentaccessibility.dal.ca`.

Extra help from tutors is available in Chase Building Room 119.