University of Toronto

MAT244H1S
Introduction to Ordinary Differential Equations
Spring 2004

Instructor : Alexandru Tamasan
Office: ES4144
Phone: 946-0318
Office hours: Tuesday 4 – 6, or by appointment
email: *tamasan@math.toronto.edu*
web site: *www.math.toronto.edu/tamasan/ode.html*

Teaching Assistants : Steven Sloot, Alexey Kuznetsov
Office hours:Monday 1 – 3 in the Math Aid Center, SS1071
emails: ssloot@math.toronto.edu, kuznecov@math.toronto.edu*TBA*

Lectures: Tuesdays, 6–9pm in TZ 6.

Course description: The course will cover introductory topics in ordinary differential equations and linear systems: first order linear equations, existence and uniqueness, higher order linear equations, first order linear systems, Laplace transform and initial value problems. Time permitting, we shall cover some topics on non-linear differential equations.

Textbook: *Elementary Differential Equations and Boundary Value Problems*, 7th edition, by W.E. Boyce and R.C. di Prima. Chapters 1-4, 7 and 6 (in this order) will be covered with possible sections from Chapter 9.

Marking scheme: homework and quizzes 25%, midterm 30% and final exam 45%.

Homework will be assigned Tuesdays, in class, and is due the following Tuesday in the **beginning** of class. All the problems are mandatory but not all will be graded. Joint effort is encouraged, but work handed in must reflect individual effort. Plagiarism will not be tolerated. The assignments will be announced in class and posted on the web-site.

Quizzes: tentatively scheduled January 20 and March 9. **No make up quizzes or exams**. If you are not able to attend a test please talk to me in advance.

Midterm: Scheduled February 10th.

Final Exam: The three hour final exam will be scheduled within the finals week.