

## Dear Math 375 Students

Your midterm test is **Friday, October 28 at 6:15pm**. The test is **90 minutes** long. Please be there by **6:00pm** so we can start on time.

You should bring with you to the exam room, your student ID and an HB2 pencil. It is preferable not to bring your phone to the exam room, as you will have to leave it in your bag in the front of the room. We are not responsible for any lost or misplaced belongings.

The topics covered by the exam are:

**-First order differential equations, all of it. That includes, linear, existence and uniqueness, separable, Bernoulli, homogeneous, exact, integrating factors, applications to radioactive material, mixing and electrical circuits.**

**-Second and higher order linear differential equations. That includes, existence and uniqueness, reduction of order method, Wronskian, Abel's formula, second and higher order with constant coefficients (all cases), and the method of undetermined coefficients for finding a particular solution.**

The exam is closed book, closed notes, and neither calculators nor formula sheets are permitted. The exam has a total of 20 questions. All multiple choice.

You will write your exam in the following rooms:

**L01 (MWF 10:00 am) Aiffa in ENA 201**

**L02 (MWF 10:00 am) Chavez in ENC 70**

**L03 (MWF 3:00 pm) Braverman in SB 103**

**L04 (MWF 2:00pm) Aiffa in ST 148**

To prepare for the exam, review your lecture notes, study the examples covered in the notes, redo your quiz. Make sure you know how to do the problems from the weekly worksheets and from the Webwork Assignments. Once done, you could try the practice midterm that will be posted shortly. Time yourself to see if you are able to finish the exam within the time allotted.

Students who can't write the exam because of a regularly scheduled Lab/Tutorial/Lecture that conflicts with the time of our exam, please send an email to [aiffam@ucalgary.ca](mailto:aiffam@ucalgary.ca) with subject MATH375-Midterm Conflict, no later than Thursday, October 27. Your e-mail should contain the following items: Your names, ID #, Lec #, and a screen shot of your weekly schedule showing the actual conflict. You will be notified by email about the day, time and location of the makeup midterm.

Best of luck to all.