# Winter 2014: Math 215, Section 202: Differential Equations

http://www.math.ubc.ca/~coombs/215/math215.html

Instructor: Dr. Daniel Coombs. Office hours: Mathematics Annex, Room 1109. Times TBA. <u>Math department tutoring centre</u> is located in LSK 301/302.

Email: coombs (at) math (dot) ubc (dot) ca Office phone: 604-822-2859

**Text:** Our main reference will be the online textbook Diffy Qs by Lebl. You can download the book (for free) or order a copy (for cheap) to be sent to you from this page: <u>http://www.jirka.org/diffyqs</u>.

Additional free online notes are available at the following sites:

http://tutorial.math.lamar.edu/Classes/DE/DE.aspx

http://www.math.ust.hk/~machas/

<u>http://www.springerlink.com/content/p78848/?MUD=MP</u> (for the last link you will need to be accessing from UBC, either directly or via VPN: <u>http://www.it.ubc.ca/service-catalogue/internet-and-telephone/network-management/myvpn</u>)

You can also consult physical textbooks. Some favourites are Boyce and DiPrima (any recent edition) and Edwards and Penney. Boyce and DiPrima has often been used at UBC.

- Clickers will be used in this course. Everyone needs to get a clicker (available from the bookstore).
- <u>Link to webpage for section 101</u>.

### **Important Dates:**

- First class: 9am, January 6th, 2014.
- Midterm test 1: Thursday, January 30th 7pm-8pm. Wesbrook 100.
- Midterm test 2: Thursday, February 27th 7pm-8pm. Wesbrook 100.
- Midterm test 3: Thursday, March 27th 7pm-8pm. Wesbrook 100.

• Final exam: TBA Note: You must inform me before 10am on January 10th if you will have any problem attending the midterm tests as listed above.

## Grading

• The breakdown of marks between course elements will be as follows: Final exam: 50%. Midterms: 10% each. Webwork 10%. Written homework, clicker questions, quizzes and other activities: 10% total.

• Missing a midterm normally results in a mark of 0. Exceptions may be granted in two cases: prior consent of the instructor or a medical emergency. In the latter case, the instructor must be notified within 48 hours of the missed test, and presented with a doctor's note immediately upon the student's return to UBC. No make-up midterms will be given.

• Term marks may be scaled up or down on a classwide basis, depending on performance on the final exam. This is to ensure fairness across both sections of the course.

• You have to submit only your own Webwork, own homework, own clicking, etc. Although you are welcome to study together and discuss the homework with other students, the work you submit

(electronically, on paper, or via clickers) must be your own. UBC policies on cheating and plagiarism are extremely strict. If in doubt, enquire before submitting.

## Homework

will be posted here.

### **Selected course notes**

will be posted here.

Daniel Coombs / Department of Mathematics / University of British Columbia