**Department of Mathematics & Statistics**
**Concordia University**

> **MAST 330**
> Differential Equations
> *Fall 2016*

**Instructor:** Dr. A. Boyarsky, Office: LB 901-11 (SGW), Phone: (514) 848-2424, Ext. 3240
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**Office Hours**:

**Text:** *Elementary Differential Equations and Boundary Value Problems*, 9th Edition, by W. E. Boyce and R. C. DiPrima.

**Grading:** 10% weekly assignments, 30% one class test, 60% a final exam. A missed test or assignment cannot be made up. If it benefits the student, the weight of the final exam will be increased to 100%

**Calculators:** Only calculators approved by the Department (with a sticker attached as a proof of approval), such as **Sharp EL 531** or the **Casio FX 300MS**, available at the Concordia Bookstore, are permitted for the class test and final examination. See https://www.concordia.ca/content/dam/artsci/math-stats/docs/AppCalculatorList.pdf for a list of Approved and Not-Approved calculators.

The following table gives an indication of the scope and *approximate* pace of the course, in terms of sections of the text book.

| Topics | Sections | No. of Weeks on Each Topic |
|---|---|---|
| Introduction | 1.1 – 1.4 | 1 |
| First-order differential equations | 2.1 – 2.7 | 3 |
| Second-order differential equations | 3.1 – 3.9 | 3 |
| Higher-order differential equations | 4.1 – 4.4 | 2 |
| Laplace transforms | 6.1 – 6.6 | 3 |