

# MT4410: Differential Equations

Spring 2018

**MT 4410.01:** 231 Campion Hall, MWF 9am

**MT 4410.02:** 231 Campion Hall, MWF 10am

**Instructor:** Baris Coskunuzer, 532 Maloney, 617-552-8275, [coskunuz@bc.edu](mailto:coskunuz@bc.edu)

**Office Hours:** Mon 1-3pm, Wed 11am-12pm and by appointment.

**Class home page:** Supported by Canvas (access through Agora), use your BC username.

**Textbook:** *Elementary Differential Equations* by Boyce and DiPrima, 10<sup>th</sup> edition.

**Prerequisites:** MT2202 Multivariable Calculus, and MT2210 Linear Algebra.

**Content:** We will cover first 7 chapters (except chapter 5) in the text. Time permitting, we will cover additional topics from the remaining chapters.

**Homework:** Homework will be assigned weekly, and is due Wednesday class.

**Exams:** There will be 3 in-class exams on Fridays, Feb 9, Mar 23, and Apr 27. The final exam will be on May 12 for section 1, and May 8 for section 2.

**Grading:** HW 20% + Exams 15% each + Final Exam 35%.

## Weekly Schedule:

week 1*	15-Jan	<b>1.</b> 1,2,3 <del>mon</del>
week 2	22-Jan	<b>2.</b> 1,2,3
week 3	29-Jan	<b>2.</b> 4,5,6
week 4	5-Feb	<b>2.7</b> Review + <b>E1</b>
week 5	12-Feb	<b>3.</b> 1,2
week 6	19-Feb	<b>3.</b> 3,4,5
week 7	26-Feb	<b>3.</b> 6,7
week 8	12-Mar	<b>4.</b> 1,2,3

week 9	19-Mar	<b>4.4</b> Review + <b>E2</b>
week 10*	26-Mar	<b>7.</b> 1,2,3 <del>fri</del>
week 11*	2-Apr	<b>7.</b> 4,5 <del>mon</del>
week 12	9-Apr	<b>7.</b> 6,8,9
week 13*	16-Apr	<b>6.1,2</b> <del>mon</del>
week 14	23-Apr	<b>6.3</b> Review + <b>E3</b>
week 15*	30-Apr	Final Review <del>fri</del>

\*short week

**Academic Integrity:** You may discuss ideas when working on homework assignments, but you should write up your solutions individually. Sharing inspiration is good; copying someone else's work is plagiarism. Any violations of the College's policy on academic integrity will be dealt with severely. For more info: <http://www.bc.edu/catalog/univ/meta-elements/ssi/integrity.shtml>