

# MT 4410: Differential Equations

Spring 2019

**MT 4410.01:** Gasson 210, MWF 9am

**MT 4410.02:** Gasson 210, MWF 10am

- Instructor:** Baris Coskunuzer, 532 Maloney, [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 8, Mar 22, and Apr 26. The final exam will be on May 8 for section 1, and May 10 for section 2.
- Grading:** HW 20% + Exams 15% each + Final Exam 35%.

## Weekly Schedule:

week 1	14-Jan	<b>1.</b> 1,2,3 <b>2.</b> 1
week 2*	21-Jan	<b>2.</b> 2,3 <del>mon</del>
week 3	28-Jan	<b>2.</b> 4,5,6
week 4	4-Feb	<b>2.7</b> Review + <b>E1</b>
week 5	11-Feb	<b>3.</b> 1,2
week 6	18-Feb	<b>3.</b> 3,4,5
week 7	25-Feb	<b>3.</b> 6,7
week 8	11-Mar	<b>4.</b> 1,2,3

week 9	18-Mar	<b>4.4</b> Review + <b>E2</b>
week 10	25-Mar	<b>7.</b> 1,2,3,4
week 11	1-Apr	<b>7.</b> 5,6,8
week 12	8-Apr	<b>7. 9</b> <b>6.</b> 1,2
week 13*	15-Apr	<b>6.</b> 3 <del>mon</del> <del>fri</del>
week 14*	22-Apr	Review + <b>E3</b> <del>mon</del>
week 15*	29-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>