

Course Information

- *Class Meetings:* M, W, F (12:35 pm –1:25pm), January 8 – April 10
- *Room:* Dunn building Room (101)
- *Office hours:* Fridays (1:35 -2:25pm) and Tuesdays (12-1pm) .

Contact Information:

- *Instructor:* Alan Coley
- *E-Mail:* aac@mathstat.dal.ca
- *Office:* Chase Building 307

Tutorial and Contact Information

- *Tutorial Name:* Sean O'Neil
- *E-Mail:* sn252528@dal.ca
- *Office:* Chase Building 008
- *Tutorial Meeting:* Every Monday, Wednesday (1:35-2:25pm) in Dunn Building Room (101)
- *Office Hour:* 1pm-2pm
- *WWW:* <https://dalhousie.brightspace.com/>

All things course related such as assignments, important dates, announcements, notes, grades, etc. are accessed through the Dalhousie brightspace Learn website above. Use your NetID & password to sign in.

Textbook: *Calculus - Early Transcendental - second edition by Briggs and Cochran. This text covers both single and multiple variable calculus topics. It will be used two courses: Math 1280, Math 1290 (maybe more).*

The diagnostic test is which will be assigned during the first day of classes is optional and will not be counted toward your grade. It should be used to ensure that you are comfortable with the pre-requisite material for the course.

Course Requirements

- **Assignment:** *There will be approximately one assignment per week, due every Monday in the tutorial time (you have one week to finish them). Late assignments will not be accepted and a mark of zero will be recorded.*
- *Five tests will be held during tutorial times on Wednesdays (depending on University closures) from 1:35pm- 2:25pm. The dates for the test are **Jan 31, Feb 14, Feb 28, Mar 14, Mar 28, 2018**. All students must write all the five tests at these times. There will be a sixth test on all of the terms material for students who have a doctor note and missed one of the previous tests. It is worth 18% and it will be held on **April 4, 2018** in the tutorial time.*

Evaluation:

Assignment:

There will be an assignment once every week and they are collectively worth 10%.

Schedule of Exams

Test #1 (18%): Wednesday, Jan 31, during the tutorial, covering assignments 1 and 2.

Test #2 (18%): Wednesday, Feb 14, during the tutorial, covering assignments 3 and 4.

Test #3 (18%): Wednesday, Feb 28, during the tutorial, covering assignments 5 and 6.

Test #4 (18%): Wednesday, Mar 14, during the tutorial, covering assignments 7 and 8.

Test #5 (18%): Wednesday, Mar 28, during the tutorial, covering assignments 9 and 10.

Test #6 (18%): Wednesday, Apr 4, during the tutorial, covering all material.

Be sure to bring your Dalhousie identification for every test.

Calculators and other electronic devices are not allowed during the tests. Late assignments are given a mark of zero.

Important Dates:

Be sure to plan your term to include the dates and times of the tests and the examination. Conflicts with travel arrangements, jobs, etc. cannot be accommodated. In particular: Do not book airline tickets for the examination period until you know your examination schedule.

- January 8: Classes begin.
- January 19: Last Day to Change and Add Classes for registered Last day to add winter term classes. Last day for late registration. Last day to drop winter term classes with no financial implications. Fees due for winter term.
- January 31st: **Test 1**
- February 1: April Exam Schedule posted/ Exchange and Study Abroad Program application deadline.
- February 2: Munro Day - University closed
- February 5: Last day to drop winter term classes without a W. Last day to change winter term classes from audit to credit (and vice versa). Last day to drop XY classes with a W.
- February 14: **Test 2**
- February 19: Nova Scotia Heritage Day - University closed.
- February 19-23: Winter Study Break. No class neither Tutorial.
- February 26: Registration begins for summer courses at 10am.
- February 28: **Test 3**
- March 14: **Test 4**
- March 28: **Test 5.**
- April 10: Last Day of classes.

Grading Formula

Total Score= 10% Assignment +18% for each of the five tests.

Course Outline

- *Review of Polynomial, trigonometric, exponential and logarithmic functions.*
- *Complex number*
- *Limits and Continuity.*
- *Differentiation: first principle.*
- *approximation and Taylor series.*
- *Product, quotient and Chain rules.*
- *Related rate.*
- *Curve Sketching.*
- *Optimization problem.*
- *Anti-derivatives.*
- *Area under a curve: Riemann Sums.*
- *Definite integral*
- *Integration by substantiation.*

Grade Equivalence in Letter:

(90 - 100) A⁺, (85 - 89) A, (80 - 84) A⁻, (77 - 79) B⁺, (73 - 76) B, (70 - 72) B⁻, (65 - 69) C⁺, (60 - 64) C, (55 - 59) C⁻, (50 - 54) D, (0 - 49) F

Policies and Information:

- *Students may request accommodation as a result of barriers related to disability, religious obligation, or any characteristic under the Nova Scotia Human Rights Act. Students who require academic accommodation for either classroom participation or the writing of tests, quizzes and exams should make their request to the Advising and Access Services Center (AASC) prior to or at the outset of each academic term. Please see www.dal.ca/access for more information and to obtain Form A - Request for Accommodation.*
- *This course, as all other courses, is subject to the University's regulations on intellectual honesty as outlined in the undergraduate calendar (i.e. do not cheat). Please read the paragraphs on academic honesty starting on page 23 in the undergraduate calendar.*

Mathematics Learning Center

The center is located in Room 119 in the Chase Building. Free help is available there from tutors and it also offers a wide variety of resource materials. It is open from 9:00am to 5:00pm and from 7:00pm to 9:00pm, Monday through Friday. It is a great place to go and work on assignments with others and get extra help.