

Carleton U, School of Math & Stats  
Mathematical Methods I: Math 3705-D

Dr. RJ Cova

Winter 2020

- ✉ OFFICE: HP 5250. PHONE: 613-5202600 ext 1983.
- ✉ E-MAIL: rcova@math.carleton.ca – replies within 48 h.
- ✉ WEBSITE: <https://www.carleton.ca/culearn>
  
- ✉ LECTURES: Monday, Wednesday 10:05 - 11:25 h, AT 302.
- ✉ CONSULTATION HOUR: Friday 10:30 - 11:30 h, HP-5250.
- ✉ TUTORIALS: (from 13 January) Monday 14:35 - 15:25 h. We have four sections:
  - ✓ D1, room SA 403) Teaching Assistant (TA): revanthsridhar@cmail.carleton.ca
  - ✓ D2, room SA 304) TA: evansarnecki@cmail.carleton.ca
  - ✓ D3, room SA 502) TA: alexandrakravchuk@cmail.carleton.ca
  - ✓ D4, room TB 431) TA: ritaalkhozou@cmail.carleton.ca
  
- ✉ TEXTBOOK: Mathematical Methods and Boundary Value Problems (5th Edition), by Sam Melkonian.
- ✉ GENERAL CONTENTS: The Laplace Transform, Series Solutions of Ordinary Differential Equations, Fourier Series, Partial Differential Equations, Sturm-Liouville Problems, The Fourier Transform.
- ✉ Sections from the textbook: 1.1 - 1.3; 2.1, 2.2, 2.3.1, 2.3.2, 2.3.3; 3.1, 3.2; 4.1.1, 4.1.2, 4.1.3, 4.2, 4.3.1, 4.3.2; 5.1.1, 5.2.2; 6.1, 6.2.1.
- ✉ Recommended homework from the textbook:  
Section (1.1): exercises # 1-7; (1.2): 1-23; (1.3): 1-11; (2.1): 1-3; (2.2): 1-11; (2.3): 1-15; (3.1): 1-8; (3.2): 1-17; (4.1): 1-9; (4.2): 1-5; (4.3): 1-11; (5.1): 1-13; (5.2): 1-14; (6.1): 1-22; (6.2): 1-4.
- ✉ GRADING SCHEME:  

Best three tests out of four: 45 %. Final Exam: 55 %.
- ✉ TUTORIALS: You will greatly benefit from the tutorial classes where our TAs will supplement the main lectures and thus enhance your training. You do not want to miss these sessions.

✍ TESTS: Four tests of equal weight will be administered, one in each of the tutorial sessions on

**27 January, 10 February, 02 March, 23 March.**

✓ We apologise that there will not be make-up tests in this course. Absence from one test is covered by the best-3-out-of-4 deal. Missing more than one test may be excused (and your grade pro-rated) by ill-health supported by a hard-copy of the Carleton University medical certificate. Events of extreme personal misfortune, sports obligations, jury duty, &c. may also be considered upon presentation of supporting documentation (hard-copy).

✓ Kindly collect your test papers from your TA. Due to scarcity of space, we beg your pardon that uncollected papers will be discarded.

✓ Please advise your TA of test grading issues within five days of receiving the test paper. Most regrettably, grading problems brought up outside this period shall not be addressed.

✍ FINAL EXAMINATION: This is the customary three-hour exam to be applied during the period 13-25 April. The exact date and venue will be announced by the university in due course.

✍ MEMORANDA, CALCULATORS: Non-programmable, non-graphing calculators are permitted in our evaluations. Unless provided by us, no other memoranda is allowed.

✍ Math TUTORIAL CENTRE: This is a great facility located @ HP 3422. Pop in for details.

✍ WITHDRAWAL: The last day to withdraw the course with a full fee adjustment is 31 January.

✍ ACADEMIC ACCOMMODATION (for details kindly read the Student Guide):

- Disabilities: Please contact the Paul Menton Centre (500 University Centre) as soon as possible.
- Religious, pregnancy obligations: Kindly issue a formal written request (hard-copy) to us at your earliest convenience.

✍ ETIQUETTE, ACADEMIC INTEGRITY: Please read Section 14 of the Academic Regulations of Carleton University at <http://calendar.carleton.ca/undergrad/regulations>.

★ the outline might change depending on the course dynamics ★

□ kindly alert us of errors in this document □

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