

COURSE OUTLINE

1. Course: AMAT 677, Numerical Solution of Partial Differential Equations

L01: TR 9:30-10:45, MS427, Antony Ware, Office 586 Tel. No. 2207200 e-mail aware@ucalgary.ca, Office Hours: T11-12, F10-11

D2L: AMAT 677 L01 (Winter 2014) - Num Sol Of Partial Diff Equat

Department of Mathematics and Statistics – MS476 Telephone number – 403-220-5210

2. Prerequisites: *Applied Mathematics 311 and 491.*

(<http://www.ucalgary.ca/pubs/calendar/current/applied-mathematics.html#7055>)

3. Grading: The University policy on grading and related matters is described sections F.1 and F.2 of the online University Calendar. In determining the overall grade in the course the following weights will be used:

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|---------------------------------|---|
| Assignments (6) | 60% |
| Midterm examinations (in-class) | 40% (27 th February, 2014, 10 th April, 2014) |

Each piece of work submitted by the student will be assigned a letter grade. The final grade for the course will be a weighted grade point average of the individual letter grades, using the weighting factors in the table above.

4. Missed Components of Term Work: The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in Section 3.6. It is the student's responsibility to familiarize himself/herself with these regulations. See also Section E.6 of the University Calendar

6. Course Materials: *Arieh Iserles, A First Course in the Numerical Analysis of Differential Equations (Cambridge).*

7. Examination Policy: Basic scientific calculators may be used in examinations, but no smartphones or other computing devices may be used. The midterm examinations will be closed-book exams. Students should also read the Calendar, Section G, on Examinations.

8. OTHER IMPORTANT INFORMATION FOR STUDENTS:

(a) Academic Misconduct: (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under Section K. Student Misconduct to inform yourself of definitions, processes and penalties

(b) Assembly Points: In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on assembly points.

(c) Academic Accommodation Policy: Students with documentable disabilities are referred to the following links: Calendar entry on students with disabilities and Student Accessibility Services. MSC452 Phone: 220-8237

(d) Safewalk: Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.

(e) Freedom of Information and Privacy: This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.

- (f) **Student Union Information:** VP Academic Phone: 220-3911 Email: suvpaca@ucalgary.ca
SU Faculty Rep. Phone: 220-3913 Email: sciencerep@su.ucalgary.ca
Student Ombudsman Phone: 220-6420 Email: ombuds@ucalgary.ca
- (g) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- (h) At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses (www.ucalgary.ca/usri). Your responses make a difference - please participate in USRI Surveys.