Instructor: Dr. Jason D. Nielsen

Contact Info.:
- Office: 5217 HP, ext. 2141
- Email: jdn@math.carleton.ca
- Web page: http://www.math.carleton.ca/~jdn

Office Hours:
- Tuesday 13:00-14:00 or by appointment

Lectures:
- Wednesday and Friday 11:35-12:55 in SA 317

Labs:
- Begin on Sept. 20 (all sections in HP 3933)

Assignments:
- Four assignments will be handed out and submitted during lectures. Due dates will be announced in class and posted on the course web page.

Term Tests:
- Two term tests will be given in class on:
  - Wednesday Oct. 9
  - Friday Nov. 8
- A non-programmable calculator may be used.

Final:
- Cumulative final given during examination period (TBA)

Grading:
- Assignments: 28 %
- Labs: 2 %
- Term Tests: 20 %
- Final: 50 %

In order to pass the course you must obtain a cumulative mark of at least 50% and no less than 40% on any one of the above components.

Textbook:
- Numerical Analysis, 10th Edition
- Richard L. Burden, Douglas J. Faires & Annette M. Burden
Course Outline

1. Floating point arithmetic, IEEE standard and round-off error
2. Solution of Nonlinear Equations, Root finding
3. Numerical Linear Algebra, direct and classical iterative methods
4. Interpolation, polynomial approximation, curve fitting
5. Numerical Differentiation and Integration
6. Solution of Ordinary Differential Equations

Academic Integrity Policy
https://carleton.ca/registrar/academic-integrity.

Academic Accommodation

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

Pregnancy obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details see the Student Guide.

Religious obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details see the Student Guide.

Students with Disabilities: The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website (http://carleton.ca/pmc) for the deadline to request accommodations for the formally-scheduled exam (if applicable).