# Numerical Algorithms for Computational Mathematics—CSC C37

Computer Science | Course Description | September 5, 2023.

An introduction to computational methods for solving problems in linear algebra, non-linear equations, approximation and integration. Floating-point arithmetic; numerical algorithms; application of numerical software packages.

**Instructor:** Richard Pancer. Office IC-490; phone (416)-287-7679;
email *richard.pancer@utoronto.ca*.

**Office Hours:** (All times are in Eastern Time ET.)
Mondays 11:30-12:30ET; Fridays 15:00-16:00ET.

**Website:** *http://www.utsc.utoronto.ca/∼pancer/cscC37*

**Lectures:** LEC01 Mondays 14:00-17:00ET in SW-309;
LEC02 Fridays 10:00-13:00ET in SY-110.

**Tutorials:** Visit https://www.utsc.utoronto.ca/registrar/timetable for days/times.

**Suggested Text:** M.T. Heath, *Scientific Computing: An Introductory Survey (Second Edition)*, McGraw-Hill, ISBN 0-07-239910-4.

**Grading:**

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| Final Exam | - 40% |
| Term Test | - 20% |
| Assignments | - 40% |

*To pass this course, you need a total mark of at least 50%, and you must receive at least 40% on the final exam.*

The Term Test and Final Exam are both *closed-book*.

**Late policy:** Completed assignments must be submitted electronically on *MarkUs* by the date and time shown on the assignment handout. Late assignments will be accepted up to 24 hours past the due time with a penalty of 25%.