

# COMP 350. NUMERICAL COMPUTING.

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Credits: 3

Offered by: Computer Science (Faculty of Science)

This course is not offered this catalogue year.

## Description

Computer representation of numbers, IEEE Standard for Floating Point Representation, computer arithmetic and rounding errors. Numerical stability. Matrix computations and software systems. Polynomial interpolation. Least-squares approximation. Iterative methods for solving a nonlinear equation. Discretization methods for integration and differential equations.

- Restriction Note G: Open only to students registered in a Core Group\* or Mathematics Group\* program, \* as defined in the SOCS section, Undergraduate Programs Calendar
- 3 hours
- Prerequisites: MATH 222 and MATH 223 and one of: COMP 202, COMP 208, COMP 250; or equivalents.
- Restrictions: Students cannot receive credit for both COMP 350 and MATH 317.

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