

Mathematics 2050 SA

Applied Analysis I, Spring 2026

Instructor: Dr. Luis Santiago

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Lectures/Labs: Monday to Friday from 9:00 AM to 12:00 PM in room RC1002.

Office hours: By appointment.

Textbook: *Advanced Engineering Mathematics*, 7th Edition, by Zill (Online access \$24.95: <https://www.jblearning.com/catalog/productdetails/9781284207989>).

Course Content: The topics to be covered are, tentatively, the following:

1. All of Chapter 1.
2. Sections 2.2, 2.3, 2.4, and 2.7 of Chapter 2.
3. All of Chapter 3, except Sections 3.7, 3.10, 3.11 and 3.12.
4. All of Chapter 4, except Section 4.6..

Labs: The labs will reinforce concepts through explanations and examples, as well as provide students with the opportunity to ask questions about the content given in class or assignment problems.

Grading Scheme:

Assignments	10 %
Midterm Exam 1 (Wednesday June 3 from 9:00 AM to 10:30 AM)	30 %
Midterm Exam 2 (Wednesday June 10 from 9:00 AM to 10:30 AM)	30 %
Final Exam (Wednesday June 17 from 9:00 AM to 10:30 PM)	30 %

Assignments: Assignments will be collected and graded online using the free online homework system WebWork. A link to WebWork can be found on the d2l webpage of the course.

Accommodations: Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit:

<http://studentaccessibility.lakeheadu.ca>

Important Dates: Please note the following important dates:

May 27, 2026:	First day of classes
June 16, 2026:	Final day of classes
June 5, 2026:	Final date to withdraw
June 17, 2026:	Examination Period
June 18, 2026:	Exam Contingency Date