

# Mathematics 2050 SA/SDE

## Applied Analysis I, Spring 2022

**Instructor:** Dr. Luis Santiago

**Email:** lsantiag@lakeheadu.ca

**Lectures/Labs:**

SA: Monday to Friday from 2:30 PM to 5:30 PM in room AT 1010.

SDE: Monday to Friday from 2:30 PM to 5:30 PM by Zoom.

**Textbook:** *Advanced Engineering Mathematics*, 6<sup>th</sup> Edition, by Dennis G. Zill.

**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..

**Lectures/Labs:** Lectures and labs will be delivered through Zoom. The lab 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. Though the lab is not mandatory, it is beneficial to attend.

**Grading Scheme:**

Assignments	30 %
Midterm Exam (Monday June 6 from 4:30 PM to 5:30 PM )	30 %
Final Exam (Saturday June 18)	40 %

**Exams and Assignments:** Exams and assignments will be collected and graded online using the free online homework system WebWork. A link to WebWork is provided in 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:

Thursday June 26, 2022:	First day of classes
Friday June 17, 2022:	Final day of classes
Monday June 6, 2022:	Midterm
Saturday June 18, 2022:	Examination Period
Sunday June 19, 2022:	Exam Contingency Date