



## **MA101B and C – Calculus I for the Natural Sciences**

Winter Term, 2017

### **Calendar Description**

Review of algebra and trigonometry. Differential calculus of the algebraic, exponential, logarithmic, trigonometric and inverse trigonometric functions of a single variable; introduction to integral calculus; techniques of integration. Introduction to ordinary differential equations. Polar coordinates. Complex numbers. Applications to problems in the natural sciences are emphasized.

### **Instructor (Section B)**

Nasir Sohail (PhD)

Office: LH3055 (Lazaridis Hall)

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Telephone: x4900

Office Hours: Monday 4 p.m. - 5 p.m., Thursday 9 a.m. – 10 a.m., or by appointment.

All communications are to be made only by email and only to the email address [nsohail@wlu.ca](mailto:nsohail@wlu.ca).

### **Instructor (Section C)**

Fei Xu (PhD)

Office: LH3057 (Lazaridis Hall)

Email: [fxu@wlu.ca](mailto:fxu@wlu.ca)

Telephone: x4904

Office Hours: Monday, Wednesday 1:30 p.m. – 2:20 p.m., or by appointment.

All communications are to be made only by email and only to the email address [fxu@wlu.ca](mailto:fxu@wlu.ca).

### **Lectures**

- Section B: Monday, Wednesday, Friday 8:30 a.m. – 9:20 a.m. in BA101 (Bricker Academic Building)
- Section C: Monday, Wednesday, Friday 10:30 a.m. – 11:20 a.m. in BA101 (Bricker Academic Building)

### **Lab Coordinator**

Trevor Saunderson

Email: [tsaunderson@wlu.ca](mailto:tsaunderson@wlu.ca)

Office: LH3048 x3012

### **Textbook**

- *Calculus for Biology and Medicine*, by Claudia Neuhauser, Third Edition.

## Calculators

Students may only use the approved scientific calculator, Casio FX-300MS Plus, on course tests and the final examination. No other calculator is allowed. It is available for purchase at the campus bookstore.

## MyLearningSpace

Materials related to this course and the full course outline will be posted on the MA101 [MyLearningSpace](#) website. You are responsible for checking here on a regular basis for important announcements.

## Evaluation

A final mark out of 100 will be calculated as follows:

- Clicker Questions: .....10%
  - WeBWork Assignments: .....10%
  - Lab-Problem Sessions + Quizzes: .....20%
  - Midterm: (Saturday, Feb. 11, 10:30 a.m. – 11:50 a.m. in N1001 and N1002) .....25%
  - Final Examination: (2.5 hours; date and time TBA) .....35%
- 100%

The final mark will be converted to a letter grade in accordance with the conversion table of the current Undergraduate Calendar.

This document is a summary of the course outline for MA101 and is provided for the convenience of students.