



MA101A – Calculus I for the Natural Sciences

Fall Term, 2015

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

Fei Xu

Office: BA528 (Bricker Academic Building)

Email: fxu@wlu.ca

Office Hours: Monday 1:30 p.m. – 2:30 p.m.; Wednesday 10:30 a.m. – 11:20 a.m., other times by appointment.

Lectures

- Monday, Wednesday, Friday 12:30 p.m. – 1:20 p.m. in BA111 (Bricker Academic Building)

Lab Coordinator

Katie McGarry

Email: cmcgarry@wlu.ca

Office: BA530 Ext: x2146

Textbook

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

Calculators

Students may only use the approved scientific calculator, Casio FX-30MS 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: (Wednesday, Oct. 28, 7 p.m. – 8:20 p.m. in BA110 and BA111) 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.