

Course outline: MATH 2131, WINTER 2026

Instructor: Dr. Razvan Anisca, RB 2049, email: *ranisca@lakeheadu.ca*

Office Hours: Wednesday 2-3pm, Friday 10-11am or by appointment

Class time: Tuesday, Thursday 1-2:30pm (RB 3046)

Accepted Textbook (Not required): *Calculus: one and several variables* by Salas, Hille and Etgen, *Calculus* or *Multivariable Calculus* by James Stewart, Brooks/Cole.

Note: as used textbooks (any edition should be fine!), the cost associated with these textbooks should be very low.

Exams: There will be a midterm exam on **February 24** during the class time. The final exam will be scheduled by the registrar's office. No calculators or other external resources are allowed.

Grade: The midterm exam will be worth 30% of your final grade, the homework will count for 10%, and the final exam 60%.

Homework: Assignments are given as topics are covered in class. Assignments *will be collected and graded online using the free online homework system WeBWorK*. Further information will be provided during the next couple of weeks.

Course content: Coordinate systems and vectors, parametric curves and surfaces, partial differentiation, multiple integration, vector fields, and vector calculus including Green's Theorem, Stokes' Theorem and the Divergence Theorem.

Course Policies:

- (1) Late assignments will NOT be accepted by the WeBWorK system.
- (2) There will be NO make-up exams! If you miss the midterm for a legitimate reason which you can document (e.g. doctor's note), the weight of the midterm will be *transferred* to the final exam.

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 soon as possible. For more information please visit:

[http : //studentaccessibility.lakeheadu.ca](http://studentaccessibility.lakeheadu.ca).