

Mathematics 4151: Advanced Calculus  
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Winter 2022-2023  
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**PREREQUISITES:** Math 3231 or equivalent

**INSTRUCTOR:** T. Miao   **OFFICE:** RB 2013   **PHONE:** 346-7722  
**E-MAIL:** tmiao@lakeheadu.ca

**LECTURES:** 3 hours per week  
Monday and Wednesday 2:30 pm - 4:00 pm RB 3049

**TEXT:** **Advanced Calculus**  
by P. M. Fitzpatrick ( **Second Edition** )

**COURSE OUTLINE:** The course will cover the principal topics in Chapter 10 to Chapter 19 inclusive.

**OFFICE HOURS:** Monday and Wednesday 9:30 am - 10:30 am.

If these hours do not fit your schedule you are welcome to consult with me whenever you find me in my office. You may also make appointments through the Secretary of the Department of Mathematical Sciences in RB 2012; the phone number is 343-8469.

**MARK DISTRIBUTION:**

Your mark for the course will be calculated according to the following formula:

- (a) 20% from homework assignments.
- (b) 30% from midterm test.
- (c) 50% from the final exam.