Math 1172: Calculus II (Winter 2016)

**Instructor:** Aaron Pearson

**Contact:** apearson@lakeheadu.ca

**Lectures:** Monday, Wednesday, and Friday 10:30—11:30 A.M. (Section WA);

 Monday, Wednesday, and Friday 1:30—2:30 P.M. (Section WB)

**Lab:** Tuesday 5:30—6:30

**Office Hours:** TBA and by appointment

**Textbook:** TBA

**Course Content:** From the Course Calendar: Applications of integrals; one-to-one functions and inverses; logarithmic, exponential, power and inverse trigonometric functions; techniques of integration; limits of sequences; indeterminate forms; improper integrals; infinite series; tests for convergence; Taylor series; power series.

**Marking Scheme:**

 Assignments: 10%

 Midterm 1: 25%

 Midterm 2: 25%

 Final Exam: 40%

**Note on Grading:** There will be six assignments, approximately one every two weeks. Late assignments will not be accepted. The lowest assignment mark will be dropped. Your final grade will be calculated in two ways: first, according to the marking scheme above, and second, with the lowest midterm mark dropped, and the weight of that midterm added to the final. Your final grade will be the higher of the two.

**Important Dates:**

January 5th : First day of classes

January 16th : Final date to register

February 3rd : First Midterm

February 16th : Beginning of Reading Week

March 6th : Final date for withdrawal

March 10th : Second Midterm

April 3rd : Good Friday - University Closed

April 7th : Final day of class

April 10th : First day of exams

April 23rd : Final day of exams

April 24th : Contingency Date

**Tutoring**: At the Student Success Centre (SC 0008), every student has 5 free hours of tutoring every academic year. The Lakehead University Mathematics Assistance Centre (LUMAC) provides free tutoring in LI-1005 throughout the academic year (for hours of operation visit http://math.lakeheadu.ca/lumac/).