

## Math 3231 Course Outline

Fall 2015

**Instructor:** A.J. Dean, RB 2009, 343-8689, [andrew.j.dean@lakeheadu.ca](mailto:andrew.j.dean@lakeheadu.ca)

**Office hours:** Fridays 2:00-4:00 or by appointment or happenstance.

**Textbook:** An Analysis Textbook, by A.J. Dean, to be distributed in class.

**Additional References:** Principles of Mathematical Analysis, by Walter Rudin; Introduction to Real Analysis, by Bartle and Sherbert (first three editions); The Elements of Real Analysis, by Bartle; Introduction to the theory of numbers, by Hardy and Wright.

**Tentative schedule:**

Test 1, on Oct 5, covering Chapter 1 up to and including Cartesian products, relations, and functions.

Test 2, on October 26, covering the rest of Chapter 1.

Test 3, on November 9, covering up to the end of Chapter 2

Test 4, on November 30, covering up to the end of Chapter 3

After taking up Test 4, we will have a preview of Analysis II and a discussion of the place of the course material in mathematics.

**Marking scheme:** The four tests will be worth 25% each.

**Drop Date:** The final date to withdraw from this course without academic penalty is Friday November 6.