

**MATH 464 (MATH 601B)**

Real Analysis

*Fall 2015*

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**Office hours:** \_\_\_\_\_

**Required Textbook:** *Real Analysis*, 3rd Edition, by Royden and H.L. MacMillan.  
It is important that one use the 3rd edition, and not a different edition.

**Topics:** The main parts of the course will consist of topics from the text taken from the following chapters.

- ♦ Set theory
- ♦ The real number system
- ♦ Metric spaces
- ♦ Topological spaces
- ♦ Compact and locally compact spaces

There will be complimentary topics as well. Assignments will be given.

**Term Exams:** There will be a test in week 6 or 7.

**Grading:** Mid term Exam 30%  
Assignments 10%  
Final 60%

**Calculators:** Only calculators approved by the Department are permitted in the class test(s) and final examination. The calculators are the **Sharp EL 531** and the **Casio FX 300MS**, available at the Concordia Bookstore.