

## Synopsis (Fall 2013)

**Math 3310 Basic Real Variables (3.00) Course Description:** Concentrates on proving the basic theorems of calculus, with due attention to the beginner with little or no experience in the techniques of proof. Includes limits, continuity, differentiability, the Bolzano-Weierstrass theorem, Taylor's theorem, integrability of continuous functions, and uniform convergence.

**Prerequisite:** MATH 1320.

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**Office Hours:** 12:30 – 13:30 on Tuesday and Thursday. The Thursday will change to Wednesday for the weeks when the tests occur on Thursday.

**Text:** William R. Wade, *Introduction to Analysis, 4-th Edition*, Pearson (2010).

We will cover selected topics from PART I ONE-DIMENSIONAL THEORY with emphasis on Chapters 1 to 5.

*Last updated August 23, 2013*