

MATH 396: REAL ANALYSIS (Q)

In this class we revisit single variable calculus and examine the underlining theory that makes calculus work. The study will begin by looking at the real numbers themselves, in particular the Least Upper Bound Property. The theory of continuous, differentiable, and integrable functions will be built up from the basic theory of the real numbers. The main theorems of calculus will be examined. Depending on the semester, the course might also include sequences and series, sequences of functions, or numerical theorems.

Credits: 3

Department: [Mathematics & Applied Mathematics](#)