

MATH 465: 3 s.h. Real Analysis 2

Continuation of MATH 464. Topics chosen from the following: convergence and uniform convergence of infinite sequences and series of functions; topology of Euclidean n -space \mathbb{R}^n ; differential calculus of functions $\mathbb{R}^n \rightarrow \mathbb{R}$ and $\mathbb{R}^n \rightarrow \mathbb{R}^m$; extreme values; implicit and inverse function theorems; Riemann integration in \mathbb{R}^n ; metric spaces; function spaces; Riemann-Stieltjes integration. Offered infrequently.

Prereq: C- or higher in MATH 464.