Lecture	Tue & Thu	1:00 - 2:30	LGRT 145	**Franz Pedit**
Discussion	Tue	4:00 - end	LGRT 1234	**Franz Pedit**

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Objectives: This course develops the rigorous concepts of one variable real Analysis. We will study the real numbers and their topology; convergence of sequences and series; continuity, differentiability, and integrability of functions; sequences and series of functions. Emphasis is placed on precise definitions and rigorous proofs.

Grading: Home work is regularly assigned and graded. There will be a midterm and final exam (possibly in the form of a take home and/or final project presentation).

Texts: *Elementary Analysis: The Theory of Calculus*, by Kenneth Ross. Springer. *Introduction to Real Analysis* by William Trench `http://ramanujan.math.trinity.edu/wtrench`. *Fundamental Ideas of Analysis* by Michael Reed. John Wiley & Sons. Any text book which covers Analysis in one variable.