

Math 310

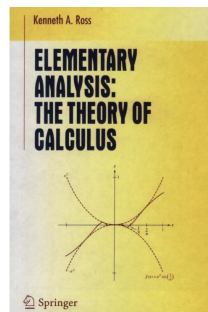
Introduction to Analysis I

Time & place: MWF 11:00 – 11:50, AB 635

Instructor: A. Kumjian, e-mail: alex@unr.edu

<http://wolfweb.unr.edu/homepage/alex/>

Text: *Elementary Analysis: The Theory of Calculus*,
by Kenneth A. Ross



This is the first course of a two course sequence which lays the foundation for the theory that makes Calculus work. This course will emphasize the theoretical principles of Calculus of one variable. Most of the work will involve proofs. The course is mainly intended for majors but all are welcome.

The course will include a study of the following topics.

- i. The Real Numbers
- ii. Sequences
- iii. Continuity and Limits
- iv. Differentiation
- v. Integration

The text is written by a well-known analyst and it has been a classic text for introductory analysis for nearly thirty years (and it is still in its first edition!).

Details of the syllabus will be posted on the class website:

<http://wolfweb.unr.edu/homepage/alex/310>

Prerequisites: Math 283; an acquaintance with mathematical proofs such as that provided by Math 373 is **strongly recommended**.