## MAE 289B: Real Analysis with Applications T/Th 12:30–1:50 Location: EBU2, Rm. 305

- Instructor: Prof. William McEneaney Office: 1809 EBU 1 Email: wmceneaney@ucsd.edu
- **Content:** We will discuss topics in Real Analysis. This will include measure theory and standard spaces used in analysis for development in modern engineering. The choice of topics will be informed by relevance to applications.
  - Texts: H.L. Royden, Real Analysis (strongly recommended).
- **Grading:** The grades will be obtained from simple summations of the scores on the assignments (where the take-home final score will be treated equivalently to a homework assignment score). For example, with grades of 25/30, 30/40, 20/40, 30/50 and 45/60 on the assignments, the resulting numerical grade would be 150=25+30+20+30+45 (out of a possible 220=30+40+40+50+60). One can expect that the grades will be curved.