

Mathematics 321
Fall, 2015
Wieting

REAL ANALYSIS

Basic Concepts

- (•) Metric Spaces
- (•) Measure Spaces
- (•) Integrals

Basic Theme

- (•) Convergence

Applications

- (•) Fractal Geometry
- (•) The Central Limit Theorem

Texts

Metric Spaces, Thomas Wieting (online)

Measures and Integrals, Thomas Wieting (online)

Measure Theory and Probability, Malcolm Adams and Victor Guillemin

Homework

Weekly: Wednesday \rightarrow Wednesday

Examination

EndTerm: Take Home/Open Book