COURSE DESCRIPTION
REAL ANALYSIS I
MA 645-2F

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Rudi Weikard
Office: CH 481 B
Phone#: 934-3720
E-mail: weikard@uab.edu
Office Hours: Drop in anytime or call for an appointment.

Meeting times: TT 3:30 pm — 4:45 pm
Meeting location: CH 458
Textbook: No textbook required. To obtain the lecture notes go to
https://tinyurl.com/ya61vrks or scan the code:

Important dates:
First day of classes: August 27
Labor Day – no class: September 3
Last day to withdraw: October 19
Thanksgiving holidays: November 19 – 25
Last day of classes: December 7
Grades available online: December 19

Course content:
• Abstract integration
• Measures
• Integration on product spaces
• The Lebesgue-Radon-Nikodym theorem

Assessment procedures: Final grades are determined by participation in class
during the course.
To receive a grade of B requires a solid understanding of the concepts of measure
and integral, the ability to reason through the proofs of several standard theorems,
and the ability to solve many of the assigned problems.
To receive a grade of A requires a deep understanding of the concepts of measure
and integral, the ability to reason through the proofs of most standard theorems,
and the ability to solve most of the assigned problems.

Date: August 15, 2018.