

## The course

This course covers Lebesgue's theory of the integral on the real line; the Stieltjes integral; and applications to Fourier series.

**Textbook** The required textbook is *Real Analysis* by N. L. Carothers, Cambridge University Press, 1999, ISBN-13: 978-0521497565. In Math 446 last semester, we covered approximately Chapters 1–11. In Math 447, we will start with Part Three (Chapters 16–20) and then, as time permits, do some topics from the end of Part Two.

**Prerequisite** The prerequisite for this course is Math 446.

**Venue** The course meets 4:10–5:25 on Monday and Wednesday in CE 203.

**Web site** <http://www.math.tamu.edu/~boas/courses/447-2009a/>

## Exams and Grades

- The midterm exam, which counts for 1/3 of the course grade, is scheduled for Wednesday, March 11.
- The final examination, which counts for 1/3 of the course grade, is scheduled for 3:30–5:30 on Monday, May 11.
- Homework counts for 1/3 of the course grade.

## The instructor

The instructor is Dr. Harold P. Boas. Office hours are held in 202 Milner Hall, 1:30–2:30, on Monday, Tuesday, and Wednesday; also by appointment. Contact information: email [boas@tamu.edu](mailto:boas@tamu.edu), office telephone 979-845-7269.

## **Other information**

### **Americans with Disabilities Act**

#### **Statement from the Department of Student Life**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the office of Disability Services in Cain Hall (telephone 979-845-1637, web site <http://disability.tamu.edu/>).

### **Academic Integrity**

#### **Statement from the Aggie Honor System Office**

The Aggie Honor Code states: “An Aggie does not lie, cheat or steal, or tolerate those who do.” Information about the Honor Council Rules and Procedures may be found at the web site <http://www.tamu.edu/aggiehonor/>.