

# Syllabus for MTH 5323

## Fall 2012

**Course:** MTH 5323-03 – Theory of Functions of Real Variables I

**Time:** TR 2:00–3:15

**Room:** SDRICH 225

**Instructor:** Dr Jon Harrison

**e-mail:** jon.harrison@baylor.edu

**Office:** SDRIC 332C

**Phone:** (254) 710–3723

**Office hours:** 10–11 MTWR, 2–3 W and by appointment.

### Course Description

(CREDIT 3) Borel sets, measure and measurable sets, measurable functions and the Lebesgue integral.

**Prerequisite:** MTH 4327 Advanced Calculus II

**Course Text:** *Real Analysis, Modern Techniques and Their Applications, Second Edition*, by G. B. Folland, published by Wiley, ISBN: 978-0-471-31716-6.

### Grading

Your grade will be determined by a midterm exam, a final exam and homework grades weighted to give the final grade.

	Homework	Midterm	Final
Weight	20%	40%	40%
Date		Thur Oct 11	Wed Dec 12 9–11am

**Course grades:**

A(80–100%), B+(75–79%), B(60–74%), C+(55–59%), C(40–54%), D(30–39%), F(0–29%).

**Attendance:** University policy requires that to earn credit in a course the student must attend at least 75% of all class meetings. Any University-related activity necessitating an absence from class shall count as an absence when determining whether a student has attended the required 75% of class meetings.

**Make-up policy:** Make-ups for missed exams will only be allowed for a university approved excuse in writing. Wherever possible, students should inform the professor before an exam or quiz is missed. Students are required to notify the professor by the end of the next working day after missing an exam. Otherwise, they forfeit their rights to a make-up.

**Scholastic dishonesty:** Copying work done by others, either in-class or out of class, is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by the academic integrity and honor code. Collaboration on assignments, either in-class or out-of-class, is forbidden unless permission to do so is granted. The academic integrity and honor code is available on the web <http://www.baylor.edu/honorcode/>.

**Students with disabilities:** Any student with a documented disability needing accommodations should contact the Office of Access and Learning Accommodation (OALA). The student is responsible for obtaining appropriate documentation and information regarding needed accommodations from the OALA and providing it to the professor early in the semester. The OALA phone number is (254) 710-3605 and the office is in SDRIC.