

# Syllabus for math 4327

## Spring 2011

**Course:** MTH 4327-02 – Advanced Calculus II

**Time:** TR 8:00–9:15

**Room:** SDRICH 208

**Instructor:** Dr Jon Harrison

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

**Office:** SDRIC 332C

**Phone:** (254) 710–3723

**Office hours:** 10–11 MW, 9:30–10:30 TR, 3:30–4:30 T and by appointment.

### Course Description

(CREDIT 3) Line and surface integrals, Green, Gauss, Stokes theorems with applications, Fourier series and integrals, functions defined by integrals, introduction to complex functions and measure theory.

**Prerequisite:** A grade of C or above in MTH 4326.

**Course Text:** *An Introduction to Analysis*, by W.R. Wade, published by Prentice Hall, ISBN: 978-0-13-229638-0.

*A Primer on Lebesgue Integration*, by H.S. Bear, published by Academic Press, ISBN: 0-12-083971-7.

### Grading

Your grade will be determined by two in class exams, a final exam, and homework grades. These are weighted to give the final grade. Calculators are not permitted in exams.

	Homework	Exam I	Exam II	Final Exam
Weight	20%	25%	25%	30%
Date		Feb 15	March 29	May 9, 2pm

The grade in the final will replace the lowest exam grade if it is higher.

**Course grades:**

A(90–100%), B+(85–89%), B(80–84%), C+(75–79%), C(70–74%), D(60–69%), F(0–59%).

**Tips for success:**

- Review background material in the textbook.
- Expect to spend at least two hours studying outside class for each scheduled hour.
- Participate in class, ask lots of questions.
- Take good notes in class. Be sure to make notes and homework legible and well organized so they are easy to refer to.
- Do homework when it is assigned.
- Review graded homework and tests.
- Before attempting homework problems reread your notes from class.
- Resist the temptation to look at an answer until you have written a solution.
- Mathematical reasoning and clear communication are as important as computations. For full credit, you need to show well organized work with notation used correctly.
- To prepare for the exams review the course material and homework problems. Try to simulate the exam by preparing lists of problems that cover the material that might be tested and decide if you can work through the problems without any assistance. You will need to start reviewing material at least a week before the test.
- Help others, explaining the material will also help you understand it. Think about forming a study group.
- When it is not possible to make it to office hours there is free tutoring available in the MATH LAB. Tutoring is also offered through the Success Center.

**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 quizzes and 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 or quiz. 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.