

Syllabus for math 1322

Spring 2009

Course: MTH 1322 – Calculus II

Time: MWF 9:05–9:55

Room: SDRIC 210

Instructor: Dr Jon Harrison

e-mail: jon_harrison@baylor.edu

Office: SDRIC 332C

Phone: (254) 710–3723

Office hours: 10–11 MWF, 2–3 M, 2–3 T and by appointment.

Course Description

(CREDIT 3) This course covers techniques and applications of integration including, integration by parts, trigonometric substitutions, the volume and surface area of solids of revolution, fluid pressure and center of mass. Infinite sequences and series are introduced together with power series and Taylor series. A sample problem list is available on the web,

<http://www.baylor.edu/content/services/document.php/31866.pdf>.

Prerequisite: A grade of C or better in MTH 1321.

Course Text: *Single Variable Calculus: Early Transcendentals*, by Jon Rogawski, published by Freeman. ISBN-13: 978-0-7167-6069-6, ISBN-10: 0-7167-6069-X.

Grading

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

	Homework	Quizzes	Exam I	Exam II	Exam III	Final Exam
Weight	5%	10%	15%	20%	20%	30%
Date			Feb 4	March 4	April 22	May 7, 9am

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.
- Most learning will occur outside class. Expect to spend at least two hours studying outside class for each scheduled hour.
- Participate in class, ask lots of questions.
- Taking notes in class is compulsory. 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 carefully read 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.
- Properly prepare for the exams. Review the course material including 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. It is unrealistic to review properly several weeks of material in one or two days.
- Assist other students, explaining the subject matter 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.