

Calculus II

Math 126-101

M–F 9:10–10:25, ILB 360

Instructor: Prof. Josh Barnard

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Office Hours:

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Course Webpage: www.southalabama.edu/mathstat/personal_pages/jbarnard/Sm09-126/

Prerequisite: C or above in MA 125

Textbook: *Calculus: Early Transcendentals*, by Jon Rogawski (W.H. Freeman 2008)

Course Description: A continuation of MA 125. Techniques of symbolic and numerical integration; applications of the definite integral to geometry, physics, economics, and probability; indeterminate forms; improper integrals; sequences and series; Taylor polynomials and Taylor series.

Announcements and Handouts: The course webpage has an announcement section and a handout section. Both of these should be checked regularly, and you are responsible for any information found there. In particular, the requirements and policies for this course may be modified as circumstances dictate; such changes will be provided to students in class and noted on the webpage.

Homework: Homework problems will be assigned regularly in class, and also posted online. These are not to be turned in. The homework assignments are there to provide you with a **minimum** level of exposure to the materials outside of class. You will need to do many more problems before you feel comfortable with the concepts involved. The way to succeed in a math course is to work (and understand) a large number of problems.

Grading: Grades will be determined according to the following:

Four Quizzes — 20% total
Two Mini-Tests — 20% total
Two Tests — 40% total
Final Exam — 20%

Quizzes & Tests: There will be a quiz, mini-test, or test every Friday in class. The schedule is as follows:

Quiz 1 — Friday, May 29
Mini-Test 1 — Friday, June 5
Quiz 2 — Friday, June 12
Test 1 — Friday, June 19
Quiz 3 — Friday, June 26
Mini-Test 2 — Thursday, July 2
Quiz 4 — Friday, July 10
Test 2 — Friday, July 17

Final Exam: There will be a two-hour cumulative final exam. It is scheduled for Wednesday, July 22, 8:00–10:00 a.m. in the usual classroom.

Attendance: Routine attendance in class is essential and expected. As in any course, you should read the relevant section of the textbook **before** attending lectures. The homework webpage has a schedule listing the sections to go over. Routine participation in class is also expected. Attendance and participation will be considered in determining borderline grades.

Calculators: Calculators will be neither allowed nor necessary on the tests or quizzes.

Office Hours: If you have questions or problems, you are encouraged to come by my office during office hours, or make an appointment to come by some other time. Email is the best way to contact me. If you plan on coming during office hours, you need not notify me ahead of time.

Student Disabilities: If you have a specific disability that qualifies you for academic accommodations, please notify me *as soon as possible* and provide certification from the Office of Special Student Services. This office is directed by Ms. Bernita Pulmas and is located in the Student Center, Room 270, phone 460-7212.

Academic Misconduct: Students are assumed to be familiar with the current Academic Misconduct Code.