Calculus II

Math 126-104
MWF 1:25-2:15, ILB 345
T 11:00-11:50 ILB 345

Instructor: Prof. Josh Barnard **Office:** ILB 306
Phone: 460-6755 **Office Hours:** TBD
Course webpage: **Email:** jbarnard@jaguar1.usouthal.edu
www.southalabama.edu/mathstat/personal_pages/jbarnard/S09-126/

Prerequisite: MA 125 (C or better).

Textbook: *Calculus: Early Transcendentals*, by Jon Rogawski, W. H. Freeman and Company (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; introduction to differential equations; sequences and series; Taylor polynomials and Taylor series. We will cover most of chapters five through eleven, excluding chapter nine.

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.

Schedule: A course schedule is posted online, and will be updated as the semester progresses. You should read the indicated sections of the book before the relevant class. You should read through it again before beginning work on the homework, which is also posted on the schedule.

On-Line Resources: New textbooks come with access to CalcPortal. This includes a digital version of the text and of the solution manual, interactive applets, chapter quizzing, etc.

Homework: Homework problems will be assigned each day in class, and also posted online. These assignments will not be collected, but in order to do well in the class, you must keep up with the daily assignments.

Quizzes: Short quizzes will be given weekly in class, generally on Fridays. Quiz problems will be similar to homework problems. There will be no make-up quizzes, but the lowest two will be dropped.

Tests: There will be three in-class test and a two-hour final exam. Test 1 will cover chapters five and seven, Test 2 will cover chapter ten, and Test 3 will cover chapters six and eight, as well as some of chapter eleven. The final will be cumulative, but the remaining material in chapter eleven will be emphasized. The dates of the in-class tests will be announced in class and posted online at least one week in advance.

Grading: Grades will be determined according to the following:

- Quizzes — 20%;
- Lowest Test Grade — 10%;
- Middle Test Grade — 20%;
- Best Test Grade — 30%;
- Final — 20%

At the end of the semester, a numerical score between zero and 100 is computed for each student according to the percentages above. Letter grades are then assigned in such a way that each letter spans 12.5 ± 2.5, where the $\pm$ accounts for discretion with regard to borderline grades.

Policies:

– Calculators are not required for this course.

– Attendence is required.

– Late work will not be accepted.

– If you have any 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.

– The last date to withdraw from a course is Friday, March 27th. Please speak to me if you are getting behind.

– If you have a specific disability that qualifies you for academic accommodations, please notify me 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.

– Students are assumed to be familiar with the current Academic Misconduct Code, to which we will strictly adhere.