MATH 264
Fall 2009

COURSE INFORMATION

• INSTRUCTOR : Przemo Kranz, Hume 333. tel. 915 7819, mmkranz@olemiss.edu

• TEXT: Calculus, Vol. 2, A Custom Edition for the University of Mississippi, Pearson, ISBN 0–536–96556–0

• CLASS MEETS : M–W–F 8:00 – 8:50 pm in Hume 201

• OFFICE HOURS : T–Th 8:00 - 11:00 and by appointment.

• GRADING : There will be three tests, each worth 100 pts. and a Final Examination, worth 200 pts. In addition there will be up to 15 quizzes of 10 pts. each. Only 10 best quiz scores will be used to determine the grade. The Homework will be graded and will contribute up to 50 pts. to the overall score. 90% of the total score will yield an **A** grade, 80% a **B** grade, *etc.*

• **VERY IMPORTANT**

1. If a test is missed for ANY reason, a grade of 0 will be given. There will be absolutely NO make up tests given for ANY reason.
2. The lowest test grade will be replaced by the final exam percentage (it this is higher). Do not miss (for any reason) more than one major test. There will be no means to make up a test. Note that the quiz/HW grade cannot be replaced.
3. Any person who must miss a scheduled exam because of an official University function must reschedule and take this exam BEFORE the exam is scheduled to be given. NO OTHER rescheduling will be allowed.
4. An "I" grade will not be given without the permission of the Department of Mathematics.
5. Students must show all work for each test question and arrive at a correct answer.
6. If a student wishes to discuss the grading policy, the testing policy, or wishes to have any conversation regarding the instructor of the course, please see the instructor in the appointed OFFICE HOURS or make the appointment with the Department's Chairman, Dr. Iwo Labuda in Hume 305.
7. Every student must take the final examination at the time scheduled.

• SPECIAL NOTE : All cellular phones, pagers, and other electronic equipment should be turned off during the class period.

• SYLLABUS

I. Partial Derivatives.

Chapter 14 – 10 sections

II. Multiple Integrals.

Chapter 15 – 7 sections

III. Integration in Vector Fields.

Chapter 16 – 8 sections

• Important Information : In order to succeed in this course, students are required to attend the classes **regularly** and be in class **on time**.
Additionally, the assigned Home Work is to be turned in at the next meeting. The instructor will inform the students how the Home Work grade is to be incorporated in the final grade of the course.

• Course Objective : The course is a culmination of the sequence of Calculus and addresses the main topics of the Calculus : the Derivative and the Integral, in the case of functions of several variables. This allows for a more realistic modelling of applications in the real (technological) world. The students who complete the course successfully should be able to undertake the main courses of their chosem major with the full command of the required mathematical tools. Additionally, Mathematics majors should be adequately prepared to continue their eduction in a higher level courses where the concepts of Calculus are examined in abstract form with full precision.