Syllabus
UTK – M447 – Honors Advanced Calculus
Fall 2009, Jochen Denzler, MWF 9:05–9:55 HSS 62

Textbook: Course notes authored by Conrad Plaut and available at Graphics Creations. For 448, I hope to supply some addenda / replacements, but otherwise the notes should be useful for 448 as well.

(Note: GC puts the instuctor's name on the front page; I am not intent of stealing authorship)

Course Contents: This course covers basic tools of real analysis in an abstract and proof-oriented way that is amenable to wider generality than just multi-variable calculus. We'll deal with real numbers, conbvergence and continuity properties, and series in 447, with integration and differentiation in 448.

Homework: Will be assigned on a rolling schedule and in various forms (for grading, for presentation, or for self-assessment); much from the book; some I'll make up on my own.

Office hours: See my webpage for tentative hours. They may change during the semester depending on need. Note that I'll usually not be available right before class and have another class in the same building after 447. Apart from scheduled office hours, you are welcome to make apointments by e-mail or cell-phone (604-7173), or just attempt a drop-in.

My office is **Aconda 410 B, phone 4-5325**. Take the 'tower 2' staircase, b/c other towers may lead to a dead end that doesn't connect to my office. Email is **denzler@math.utk.edu**, but newly arriving mail doesn't beep, so it may take a few hours until I check it.

Course website: `http://www.math.utk.edu/~denzler/M447-Fa2009/` (public). I use the Blackboard system only for administrative purposes.

Exams and Grade: Two in-class exams, of weight 2/9 each, a comprehensive final of weight 3/9, and graded homework of weight 2/9. I will not curve more harshly than $A \geq 90\% > B \geq 80\% > C \geq 70\% > D \geq 55\%$, but may curve more leniently, as difficulty of exams can vary. In-class exams will be scheduled about 10 days ahead of time, the final exam is on Mon, Dec 07, 8-10am as scheduled by university policy.

Disabilities: Students who may need formal accommodations based on documented disabilities should contact the Office of Disability Services 974-6087 in Hoskins Library. Independently any student who feels he/she may need arrangements based on the impact of a disability is welcome to contact me to discuss specific needs privately. Note that my office, like all of Aconda Court other than its first floor, is not handicap-accessible, due to the absence of elevators. The procedure is that faculty will meet those students downstairs that cannot access the staircase.