Survey of Calculus

Course Information
Math 106 (8793)

August 27, 2007

MEETING TIME: Mon., Wed., & Fri. 10:25 – 11:20

PLACE: Earth Science 147

INSTRUCTOR: W. F. Hammond, ES 137B
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    Email: `hammond`
    Web: `http://math.albany.edu/~hammond/`
    Office hours: Mon. & Wed. 2:15 – 3:05, or by appt.

TEXT: Goldstein, Lay, Schneider, & Asmar, *Brief Calculus & its Applications*, 11th edition, Pearson / Prentice Hall, 2007.

COURSE OBJECTIVE:

A survey of calculus with emphasis on problem solving.

Topics to be covered include derivatives (with applications to rates, curve sketching, and optimization), antidifferentiation, integrals and areas of curved regions, calculus of exponential and logarithmic functions, differentiation for functions of several variables, and optimization in the multi-variable context.

The material to be covered corresponds roughly to Chapters 1–7 in the textbook.

TEST SCHEDULE & GRADING:

Event	Weight	Date
Final examination	100	Tue., Dec. 18, 10:30–12:30
Midterm test	50	Wed., Oct. 17, in class
Quizzes (20 @ 5 each)	100	announced with little or no notice
Total weight	250	

ATTENDANCE:

Attendance at class meetings is a *requirement* for passing the course unless the student has been granted a special exception. Unexcused absence may result in failure or grade reduction. There will be no excused absences from tests except for compelling emergencies and religious holidays.