

Fall 2016
UH 3800
Office: UH2010E

Math 2850-005
Calculus III
Denis White

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Office Hours: MT 1:00-2:00; MW 4:00-5:00; Th 10:45-11:45 (in UH 2010 E) and by appointment.

TEXT: Thomas' Calculus with Early Transcendentals. 12th edition Weir and Hass, Addison Wesley.

PREREQUISITE: Math 1860 or 1840, or equivalent

SYLLABUS: Section 12.6; Chapters 13-16.

GRADES:

9 Quizzes	1 unit
2 Tests	1 unit each
Final Exam	2 units

Each of the 5 “units” is worth 25% and the worst unit will be dropped BUT the quiz grade canNOT be dropped unless at least 7 quizzes are attempted. The final exam is comprehensive. Roughly the grading scale is: A- is 90%; B- is 80%; C- is 70%; and D- is 55%.

LEARNING OUTCOMES The concepts of calculus will be extended to a multi-dimensional setting. Participants will differentiate and integrate functions of several variables including vector valued functions and they will apply the computations to optimization problems and to computing tangent lines, and planes and also mass, flux and work. Stokes theorem (and the like) will be applied in concrete settings.

SCHEDULE:

Test 1	Thursday, September 29
Test 2	Thursday, November 3
Quizzes	other Thursdays (not Aug. 25, Oct. 6 or Nov. 10)
Common Final Exam	Monday, December 12, 12:30-2:30 PM in class

Only non graphing calculators are allowed. A formula sheet (8.5 by 11 one side) is allowed for tests and the exam but NOT quizzes. Please keep your graded quizzes and tests and do not write on them in case there is a question about grades. Makeups for missed tests are only possible if requested during the week of the scheduled test and for acceptable reasons (e.g. medical). No makeups for quizzes, but quizzes missed for acceptable reasons are averaged. Unapproved delays in makeups of tests or exams will mean a 4% deduction for the first day and 2% per day thereafter. Disputes about grading (except addition errors) must be submitted in writing. Worried students should contact the instructor *before* the exam. The last day to withdraw is October 30, 2015.

Escort Service: 530-4292