

MATH 265 (Multivariable Calculus) Syllabus Spring 2006; Section E1

Location and Time: CARVER 0174, MTRF 2.10-3 P.M.

<http://www.public.iastate.edu/~daless/> (Web page where to find communications for the course and/or course material)

<http://orion.math.iastate.edu/calculus/> (Web page with info on calculus courses including errata for the book)

Instructor: Domenico D'Alessandro

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Office Hours: MTRF 3.10-4 PM, (in Carver 440).

Textbook: Calculus, by D. Varberg, E. J. Purcell, S. E. Rigdon (eighth edition)
Prentice Hall, Upper Saddle River, New Jersey.

Course Content:

- PART I: Geometry in the Plane and in the Space (Chapters 13 and 14).
- PART II: Functions of Several Variables and Partial Derivatives (Chapter 15).
- PART III: Multiple Integrals (Chapter 16).
- PART IV: Vector Calculus (Chapter 17).

Hour Exams There will be four one hour exams, in class, during regular hours. Each exam will cover one of the four parts of the course.

Homework: Assigned roughly every week. A typical homework assignment consists of 1) A suggested reading highlighting the parts of the book that have been covered in class (and the parts that can be skipped) 2) Some suggested problems for which the answers can be found in the book. 3) Problems for which the solution is not in the book. These problems will have to be handed in on the due date and will be graded. The solutions will be discussed in class.

You are allowed to form *Teams* to do the homework and to hand in one homework for each team. Teams must consist of no more than 4 people and must be the same throughout the semester. You are allowed to leave a team during the semester but you cannot join another team.

Final Exam: As scheduled. Compared to tests emphasis is more on concepts than on problem solving.

Grade: 20/100 HWK, 60/100 Hour exams, 20/100 Final, (Lowest Hour Exam score and Lowest Two Homework scores will be dropped), Calculators are allowed during tests and Final exam. Late Homework will not be accepted. No Make up exams. Special arrangements can be considered only for the final exam. Please contact the instructor in due time.