

Department of Mathematics - North Dakota State University
MATH 265 Calculus III - Spring 2008, 4 credits

SYLLABUS

INSTRUCTOR: Cristina Popovici

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OFFICE HOURS: MWF 4:00PM-4:50PM or by appointment

CLASS MEETS: 3:00PM-3:50PM MWF in El & Co Eng 243

WEB PAGE: <http://www.ndsu.nodak.edu/ndsu/popovici/Spring2008-Math265.html>

TEXTBOOK: STEWART, J., *Calculus, Early Transcendentals, 5th Edition*, Brooks/Cole.

COURSE DESCRIPTION: Multivariate and vector calculus, including partial derivatives, multiple integration, applications, line and surface integrals, Green's Theorem, Stoke's Theorem, and Divergence Theorem. For a more detailed description of the topics covered in this course see the attached "Course Schedule". Prerequisites: MATH 166.

COURSE OBJECTIVES: The main goal of this course is to provide a solid understanding of multivariable and vector calculus. Conceptual and computational skills will be developed, with an emphasis on understanding concepts. The students will be exposed to both theoretical and applied points of view. By the end of this course the students will be able to compute the volumes and surface areas of different types of three-dimensional objects.

HOMEWORK: Homework problems will be posted on the course web page as we proceed. With few exceptions, I will post the homework problems online shortly after the end of each lecture. Homework will not be collected, but you are strongly encouraged to work all the homework problems (and even beyond these) since this is the best way to ensure that you understand the material covered in class. If you have trouble with any of the assigned problems (or any others in your textbook) please see me or your recitation instructor as soon as possible.

QUIZZES: Except for the first and the last week of classes, there will be a quiz covering material from previous lectures once a week in recitation. Makeup policy is at the discretion of your recitation instructor. The quizzes will be averaged for a part of your final grade.

EXAMS: There will be three in-class Exams (closed books and notes, no calculators) and a comprehensive Final Exam (closed books and notes, no calculators) which will be given according to the following schedule:

EXAM # 1 - WEDNESDAY, FEBRUARY 6, 2008

EXAM # 2 - WEDNESDAY, MARCH 19, 2008

EXAM # 3 - WEDNESDAY, APRIL 16, 2008

FINAL EXAM - THURSDAY, MAY 8, 2008, 10:30AM-12:30PM

The three midterm exams and the final exam are to be written individually, any collaboration is prohibited. Makeup tests for the midterms will be given only in case of a legitimate (documented) excuse. If for some reason you are not able to take a particular exam at the scheduled time, you are required to inform me in advance. **There will be NO makeup final exam.**

GRADES: The breakdown of your final grade will be as follows:

Quiz Average: 25%

Exam # 1: 15%

Exam # 2: 15%

Exam # 3: 15%

Final Exam: 30%

Your final grade for the course will be determined according to the following scale:

85-100 A

75-84 B

60-74 C

50-59 D

ACADEMIC HONESTY: All work in this course must be completed in a manner consistent with NDSU University Senate Policy, Section 335: Code of Academic Responsibility and Conduct (<http://www.ndsu.nodak.edu/policy/335.htm>).

SPECIAL ACCOMMODATIONS: The ADA requires that reasonable accommodations be provided for students with disabilities including physical, sensory, cognitive, systemic, learning, and psychiatric disabilities. Students eligible for special accommodations are strongly encouraged to discuss their needs with me at the beginning of the semester. I will be happy to make such arrangements.

You are welcome to discuss with me any questions or concerns about the course during my office hours or by appointment.