MA265 Syllabus

• Class Meeting Hours
  – Monday, Wednesday, Thursday
  – 12:00 – 12:50 PM, West Science 2911

• Instructor
  – Roxin Zhang
  – New Science Building 3013
  rjiang@nmu.edu

• Office Hours
  MWRF 11:00 – 11:50 am

• Computer and Calculator Requirements
  – A computer with Maple installed (mandatory)
  – A scientific calculator is needed for day-to-day work
MA265 Syllabus

• Prerequisite
  – A C- or better from MA163.

• Text Book
  – Multivariable
    Calculus (6e)
    Early Transcendentals
    by James Stewart

• Tests and Quizzes
  – 4-5 Quizzes (in-class or take-home) (drop one lowest quiz)
  – One Midterm
  – One final exam, Tuesday Dec 10, 12:00 – 1:50pm
  – Note: Any of the quizzes and tests can be a projects involving computing.
• **Grading**
  - Quizzes and Projects 50%
  - Midterm 20%
  - Final Exam 25%
  - Attendance 5%

Note:
If you miss many class during the week, you may be asked to take a different quiz.

• **Homework**
  - Homework will be assigned daily and you must work on the assigned problems to understand the concepts.
In this course, our main focus is on multivariable calculus – calculus for functions involving more than one variables. Topics includes:

• Vectors in the plane and in space, space analytical geometry;
• Vector functions and motion, surfaces, coordinate systems;
• Functions of two or three variables, their derivatives and integrals in various coordinate systems;
• Maxima and minima of functions, and applications;
• Vector analysis
Chapters Covered

- Chapter 12  
  Vectors and the Geometry of the Space
- Chapter 13  
  Vector Functions
- Chapter 14  
  Partial Derivatives
- Chapter 15  
  Multiple Integrals
- Chapter 16  
  Vector Calculus
Where to Get Help?

- Ask Instructor
- Mathlab West Science 3810, 227-1612, Hours on Door
- All Campus Tutoring: LRC 111H, MTWR 4-10pm 227-2618
- Form study groups
If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office at 2001 C. B. Hedgcock (227-1700). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.