

Multivariable Calculus —Math 281 (CRN 23416)

Instructor: Weiyong He

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- email: whe@uoregon.edu
- office hours: M & W: 10:30 am—11:30 am or by appointment.

Course webpage: <http://uoregon.edu/~whe/math281.html/>

Lecture: **MTWF** 8:00 am- 8:50 am at Deady Hall 307.

Text: *Multivariable Calculus 6th Edition*, by James Stewart.

Prerequisite: Math 253.

Course content: This is the first term of the multivariable calculus sequence. The course covers two big topics. The first topic is vector calculus and space geometry including dot product, cross products and geometry of surfaces. The second topic is the multivariable differential and integral calculus including partial differential equation and multivariable optimization. Linear algebra will be introduced as needed. This term we roughly cover chapter 13 to chapter 15.

Grading: total 100%, based on

- Homework: 15%. Homework will be assigned and graded using WEBWORK. URL: <http://webwork.uoregon.edu/webwork2/Math281-23416/>. Homework assignments will be assigned on Mondays, which will cover material for the upcoming week. In class on Tuesday of the following week there will be a discussion section. We will have a chance to solve homework problems. The homework will be due at 11:59 pm on Tuesday. Answers to the assignment will be available via Webwork at 12:01 am on Thursday. To reduce the anxiety about the error of Webwork system, the homework grade will be rounded up 5 percent.
- Quizzes: 10%. There will be two short quizzes on Tuesday week 3 (no class on Monday) and on Monday week 8.
- Midterm: 25%. There will be a in-class midterm on Friday week 6.
- Final: 50%. March 19, Friday 10:15 am- 12:15 pm.

Remark: bring your UO student ID to all your exams and quizzes. You may bring a 3×5 inch index card and a calculator to any exam or quiz.

Special days: No class on Jan 18 (MLK day). I will not be around on Feb 12. The class will be conducted by other professors.