

Syllabus, Math 281, Several Variable Calculus I, Fall 2010 (CRN 13919)

- **PROFESSOR:** Arkady Berenstein, 150 Susan Campbell Hall, Phone: 346-5624, Email: arkadiy@math.uoregon.edu
- **CLASSES:** 301 Deady: MTWF, 14:00--14:50.
- **OFFICE HOURS:** TW 15:00-15:50.
- **TEXT:** James Stewart, (*MultiVariable*) *Calculus*, 6th Edition, Thomson Brooks/Cole, Chapters 13-15.
- **PREREQUISITES:** Math 253.
- **COURSE CONTENT:** This is the first term of the multivariable calculus sequence. The course covers two big topics. The first is vector calculus and space geometry including dot product, cross products and geometry of surfaces. The second is the multivariate differential and integral calculus including partial differentiation and multivariable optimization.
- **ATTENDANCE:** Please remember that if you miss a class it is your responsibility to find out what happened in that class.
- **COURSE WEB PAGE:** The homework and other class material are also available at the web page <http://math.uoregon.edu/~arkadiy/281new.html>
- **GRADING:** Total 100%. Will be based on:
 - **HOMEWORK** (15%): Homework due on Fridays at 14:00. The first homework due on Friday **October 8**. We will be using **WebAssign** to deal with homework. You will need to buy an **enhanced WebAssign access code** from www.webassign.net or from the Bookstore. The lowest homework score will be dropped.
 - **QUIZZES** (15%) There will be short quizzes on Mondays, Weeks 3, 6, 9. They will be based on the material covered in the previously assigned homework. The lowest quiz score will be dropped. There will be no make-up quizzes given.
 - **MIDTERM 1** (20%) on Wednesday October 27.
 - **MIDTERM 2** (20%) on Wednesday November 17.
- **FINAL** (30%) on Wednesday December 8, 15:15-17:15.
- **REMARK.** You may bring a 3x5 inch index card with any formulas on it to any exam or quiz if you wish. Similarly, you may bring with you a handheld graphing calculator to any exam or quiz if you wish.

Week 1/Sep 27-Oct 1*	sections 13.1, 13.2, 13.3
Week 2/Oct 4-8	sections 13.4, 13.5
Week 3/Oct 11-15	Quiz 1, sections 13.6, 14.1, 14.2
Week 4/Oct 18-22	sections 14.2, 14.3, 14.4
Week 5/Oct 25-29	section 15.1, Review, Midterm 1, section 15.2

Week 6/Nov 1-5	Quiz 2, sections 15.2, 15.3, 15.4
Week 7/Nov 8-12	sections 15.4, 15.5, 15.6
Week 8/Nov 15-19	section 15.6, Review, Midterm 2, section 15.7
Week 9/Nov 22-26**	Quiz 3, section 15.7
Week 10/Nov 29-Dec 3	section 15.8, Review

Tentative Schedule

*I will not be around on Friday of Week 1. The class will be conducted by another professor

**No class on Nov 26 – Thanksgiving vacation

Important dates (See Schedule of Courses or Academic Calendar):

Oct 3: Last day to drop a class without a "W;"

Oct 6: Last day to add a class;

Nov 14: Last day to drop a class with a "W", change grade options (Graded or P/N).