

General course information:

- lecture time and place: Monday, Wednesday, Friday 12:35 pm - 2:30 pm, Mundelein Center 404
- textbook: Thomas Calculus, Multivariable (12th edition), George Thomas, Maurice Weir, Joel Hass, Pearson (2009), with MyMathLab. ISBN for volume 2 + MML: 0-321-651-952.
- webpage: webpages.math.luc.edu/~rgoebel1/Fall11Math263/
- final exam: Monday, December 12th, 9:00 am - 11:00 am

Instructor information:

- name: Rafal Goebel
- contact: email rgoebel1@luc.edu (preferred) or office phone 773 508 7541
- office hours: check the course webpage

Course content: The course will present elements of multivariable calculus. We will cover large parts of the following chapters in the textbook: Chapter 12, *Vectors and the Geometry of Space*; Chapter 13, *Vector-Valued Functions and Motion in Space*; Chapter 14, *Partial Derivatives*; Chapter 15, *Multiple Integrals*; and Chapter 16, *Integration in Vector Fields*.

Grading scheme: The course grade will be based on the number of points. The maximum number of points is 100. The grade of A is guaranteed for 95 points or more. The grade of C- is guaranteed for 70 points or more. Points can be accumulated in the following way: homework 20 pts, quizzes 40 pts total, final exam 40 pts.

Homework: Regular homework assignments will be assigned and turned in online, through the MyMathLab webpage, www.mymathlab.com. Some additional homework assignments will likely involve the *Mathematica* software, and will need to be turned in to the instructor. Collaboration on homework is allowed, and in fact strongly encouraged. Talk about homework to your classmates, work on the problems together, form study groups. However, write up / input the final solution on your own, and only hand in your own work.

Quizzes: There will be 5 quizzes, at the end of the lectures on the following days: September 14th, September 30th, October 21st, November 11th, December 2nd. Each quiz will be about 45 minutes long. Problems on the quiz will be similar to the homework problems or to the sample quiz problems handed out and solved during review lectures. Your worst quiz

score will be dropped, i.e., only the best 4 quiz scores will count. Quizzes are closed-book. No notes. Collaboration is not allowed.

Final: There will be one final exam, on Monday, December 16th, 9:00 am - 11:00 am. It will cover all of the course material. Problems on the final will be similar to the sample final problems solved in the review lectures before the final exam. Final is closed-book, but one letter-sized, double-sided sheet of handwritten notes is allowed. Collaboration is not allowed.

Missing quizzes or exams: Usually, only religious holidays, official Loyola athletic activities, and well-documented emergencies are basis for a make-up quiz or late turn-in of homework. In general, the sooner you notify the instructor about a conflict with a quiz or an exam, the better. Missing a quiz without prior notification and without a well-documented emergency or other extenuating circumstances will result in a score of 0.

Academic integrity: All work performed during quizzes and final exam must be your own work. Cheating will result in a grade of "F" and notification of the appropriate dean. Cheating during quizzes and the final includes, but is not limited to: copying another person's work, allowing another person to copy your work, collaborating with another person, using unauthorized references, etc. Remember though: collaboration on homework assignments is OK, and in fact is encouraged.