

# Calculus with Analytic Geometry III -- Spring 2014

**MTH 231 - Calculus with Analytic Geometry III.** Vectors, curves, and surfaces in space. Derivatives and integrals of functions of more than one variable. A study of the calculus of vector-valued functions. PR: MTH230. 4 hours.

- Time and Place: 5:00 - 5:50 pm MTWR at 513 Smith Hall.
- Instructor: [Peter Saveliev](#) (call me Peter)
- Office: 325 Smith Hall
- Office Hours: TR 2:30-4:30 (tentative), or by appointment
- Office Phone: x4639
- E-mail: [saveliev@marshall.edu](mailto:saveliev@marshall.edu)
- Class Web-Page: [math01.com](http://math01.com)
- Prerequisites: [Calculus II -- Fall 2012](#)
- Text: [Calculus by Rogawski](#), Chapters 11 - 17
- Computer Restrictions: graphic calculator TI-83 or TI-83+
- Goals: Calculus in dimension 2 and 3: parametric curves, functions of several variables, line, surface, and volume integrals, some vector calculus
- Quizzes: taken from the exercise sets, open book
- Homework: online via [Webwork](#), weekly
- Grade Breakdown:  $TOTAL = .05 \times A + .40 \times (Q + HW) + .20 \times M + .35 \times F$ 
  - attendance and participation: 5%
  - quizzes and homework: 40%
  - midterm: 20%
  - final exam: 35%
- Letter Grades: A: 90-100, B: 80-89, C: 70-79, D: 60-69, F: <60