

## MATH 405, ANALYSIS I – COURSE GUIDELINES

**Course Webpage.** <http://www.math.jhu.edu/~desilva/math405/>

### **Instructors.**

Lecturer: Daniela De Silva  
Email: [desilva@math.jhu.edu](mailto:desilva@math.jhu.edu)  
Office: Krieger 212  
Office hours: M 2,30-3,30pm, T 4-5pm (or by appointment)  
Teaching Assistant: S. Kleene

### **Meeting Time.**

Lecture: MTW 1-1:50pm, Krieger 300  
Section: F 9-9:50am, Krieger 300  
First Meeting: Monday January 22nd, Krieger 300.

**Textbook.** Robert S. Strichartz, *The Way of Analysis*, Jones and Bartlett Publishers (2000), Chapters 1 through 7.

**Course's Goal.** A rigorous treatment of the basic tools in analysis, from the structure of the real number system to infinite series. Particular emphasis will be given to the concept of continuity, and the properties of continuous functions, the calculus of derivatives, and Taylor's formula, the integral calculus, and the convergence of numerical series.

**Homework.** Assigned on Wednesday and collected on the Friday of the next week, at the beginning of your section. No late homework accepted. Study groups are encouraged yet the homework has to be written down independently.

### **Exams.**

1hr in-class Quiz: Monday February 26th  
1hr in-class Midterm: Wednesday March 21th  
3hr Final Exam: Friday May 4th, 2-5pm

**Exam Policy.** Exams are closed book, closed notes. If an exam is missed, there will be a make-up exam only in exceptional cases. The Academic Advising Office provides letters for excused absences. The grade for an unexcused exam will be a zero. If you have a conflict with an exam or need special arrangements, you must notify the instructor in writing at least two weeks in advance.

**Attendance.** Lecture (section) attendance is mandatory but an occasional absence is not the end of the world.

**Grading Policy.** Quiz: 20%. Homework: 20%. Midterm Exam: 30%. Final Exam: 30%.

**Ethic Statement.** The strength of the university depends on academic and personal integrity. In this course you must be honest and truthful. Ethical violations include cheating on exams, plagiarism, reuse of assignments, improper use of the Internet and electronic devices, unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition.

Report any violation you witness to the instructor. You may consult the associate dean of students and/or the chairman of the Ethic Board beforehand. See the guide on “Academic Ethics for undergraduates” and the Ethic Board website (<http://ethics.jhu.edu>) for more information.

**Special Aid.** Students with disabilities or other special needs who require classroom accommodations or other arrangements must make this known to the instructor as soon as possible at the beginning of the semester, and be registered with the disability coordinator in the Office of Academic Advising.

**Support.** There are many sources of help and support if you are having difficulty with the class, material or anything else. These include:

- Instructor’s office hours;
- TA’s office hours;
- Math Help Room: Krieger 213, Mon - Thur, 9am - 9pm; Fri 9am - 5pm;
- Drop-In Tutoring: Levering Market, Mon - Thur, 7pm - 10pm.

Please do not feel shy about asking for help, or just checking that you understand something correctly.