

**MATH 110.405 FALL 2005: ANALYSIS I
SYLLABUS**

Meeting times

Lecture: MTW 1-1:50, Shaffer 202.

Section: F 9-9:50 am, Shaffer 202.

First meeting: Friday, Sep 8, 9-9:50 am, Shaffer 202.

Instructor: Florin Spinu. e-mail: fspinu@math.jhu.edu

Office hours (walk-in): MT, 2-3, Krieger 312 or by appointment.

TA: Hamid Hezari. e-mail: hhezari@math.jhu.edu

Textbook

Robert M. Strichartz, *The Way of Analysis*, Jones and Bartlett Publishers (2000), chapters 1 through 7.

Course Goals: a rigorous treatment of the basic tools in analysis, from the structure of the real number system to infinite series. Keyword: limits, uniform convergence, uniform continuity, complete metric spaces, Taylor theorem, integration, infinite series, power series.

Homework. Assigned daily and collected the Monday of the next week, at the beginning of the class. No late homework accepted. Study groups are encouraged yet the homework has to be written down independently.

Exams

1hr midterm: Tuesday, Nov 8, in class.

3hr final exam, location and time TBA.

Exam policy. Exams are closed book, closed notes. There will be no make-up exams. If an exam is missed with a valid excuse, the grade for that exam will be a weighted average of the grades obtained on subsequent exams. The grade for an unexcused exam will be a zero. The Academic Advising Office provides letters for excused absences. 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.

Grading Policy: Homework: 30%, Midterm Exam: 30%, Final 40%.

Ethics 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 violations you witness to the instructor. You may consult the associate dean of students and/or the chairman of the Ethics Board beforehand. See the guide on "Academic Ethics for Undergraduates" and the Ethics Board website (<http://ethics.jhu.edu>) for more information.