

MA 54400, Real Analysis and Measure Theory, 22177 policies:

3 credit hours

Instructor: Prof. László Lempert, lempert@purdue.edu

Office: MATH 728, phone: 494-1952

Office hours: Tuesday 1–2 pm, Thursday 2–3 pm.

Lectures: MWF 4:30 pm, SCHM 122 (formerly known as REC 122).

Preferred mode of contact: After or before lecture, office hour, email to above.

Textbook: Real Analysis by Royden, 3rd edition, Prentice Hall 1988 (but other editions should also do). Another good book to look at is Real Analysis by Folland, Wiley Interscience, which most of the time goes deeper into the subject.

Course grade will be computed from homework scores, one midterm score, and one final exam score (25%, 25%, and 50%).

Homework will be assigned every class meeting, and collected once a week. Homework assigned on a Friday, next week Monday and Wednesday should be turned in on Gradescope by 10 pm the following Thursday. (E.g., homework assigned on 1/9, 1/11 is due 1/12; homework assigned on 1/13, 1/16, and 1/18 is due 1/19.)

Midterm will be 6:30–7:30 pm, March 8, in HAAS G066. Final exam: 8 am–10 am, Monday May 1, in SCHM 122 (same location as classes). There will be a self assessment test, during regular class period on Wednesday, February 1. I will grade that test but will not record the score. The point will be to give each student an idea whether s/he is sufficiently mature for this course, or perhaps another analysis class would be better.

As a rule, late homework will not be accepted. If you have problems turning in a set in time, talk to me as soon as the issue is arising.

Homework is meant to be individual, not team-homework. This does not mean you are not allowed to discuss the problems with your fellow students, but it does mean that you yourself should first attempt to solve all problems without outside help. You may not be able to solve all the problems all the time, and when stuck, discussing the problems with fellow students, or with your instructor, will probably help—such discussions can be useful even if you have already found a way to solve the problem. But discussions should come only after you have already spent time thinking about how to solve it. Along a related line, chances are that any problem assigned can be found in some book or online, with solutions. Finding those solutions is not trivial, and searching skills are of course valuable and even necessary in mathematical research and applications. However, the intent of homework is not to help you develop those searching skills. Rather, to get you think about problems and the notions learned in class. If your homework solution, or a significant part of it, was found online or in a book, state it, for partial credit.

Grader: Taylor Daniels, daniel84@purdue.edu . If, after homework is returned to you, you have questions concerning the grading, partial credit, grader's comments, etc., please contact your grader, either by email or through Gradescope (regrade request). If you have

questions about homework *before* it is turned in: ‘how to solve it?’, come to my office hours (currently set to Tuesday 2–3 pm, Thursday 1–2 pm in MATH 728). Warning: if you ask ‘how to solve it?’, I will typically not solve the problem for you, but will try to help you find the solution.

ADA policies: As you know, Purdue University strives to make learning accessible to all participants. If you anticipate or experience physical or academic barriers based on disability, please contact the Disability Resource Center at: drcpurdue.edu or by phone: 765-494-1247.

In MA 54400 accommodations are managed between the instructor, the student and DRC Testing Center. If you have been certified by the Disability Resource Center (DRC) as eligible for accommodations, please contact me (L.L.) to discuss your accommodations as soon as possible. Here are instructions for sending your Course Accessibility Letter to your instructor: <https://www.purdue.edu/drc/students/course-accessibility-letter.php>

This last section to follow you probably have encountered in one version or another in other course pages as well. The precise wording may change as we get closer to the spring semester. Also, for more policies, see University Policies and Statements in the menu (probably, on the left).

A hyperlink to Purdue’s full Nondiscrimination Policy Statement is included in our course Brightspace under University Policies.

If you find yourself beginning to feel some stress, anxiety and/or feeling slightly overwhelmed, try WellTrack. Sign in and find information and tools at your fingertips, available to you at any time. If you need support and information about options and resources, please contact or see the Office of the Dean of Students. Call 765-494-1747. Hours of operation are M-F, 8 am- 5 pm. If you find yourself struggling to find a healthy balance between academics, social life, stress, etc., sign up for free one-on-one virtual or in-person sessions with a Purdue Wellness Coach at RecWell. Student coaches can help you navigate through barriers and challenges toward your goals throughout the semester. Sign up is completely free and can be done on BoilerConnect. If you have any questions, please contact Purdue Wellness at evans240@purdue.edu. If you are struggling and need mental health services: Purdue University is committed to advancing the mental health and well-being of its students. If you or someone you know is feeling overwhelmed, depressed, and/or in need of mental health support, services are available. For help, such individuals should contact Counseling and Psychological Services (CAPS) at 765-494-6995 during and after hours, on weekends and holidays, or by going to the CAPS office on the second floor of the Purdue University Student Health Center (PUSH) during business hours. CAPS also offers resources specific to COVID-19 on its website. Topics range from Adjusting to the New Normal to How to Talk with Professors about Personal Matters.

Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support. There is no appointment needed and Student Support Services is available to serve students 8 a.m.-5 p.m. Monday through Friday. Considering the significant disruptions caused by the current global crisis as it relates to COVID-19, students may submit requests for emergency

assistance from the Critical Need Fund

Emergency Preparation: In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course will be posted onto the course website or can be obtained by contacting your instructor via email or phone. You are expected to read your purdue.edu email on a frequent basis.