

Syllabus for Math 6211, Autumn 2019

- Professor.** David Penneys
Classroom. Cockins Hall (CH) 240
Time. Monday, Wednesday, Friday 10:20am - 11:15am
Office. Math Tower (MW) 752
Hours. (Subject to change) Friday 11:30-12:30 or by appointment
Email. penneys.2(at)osu.edu

Course website. The course website is:
<https://people.math.osu.edu/penneys.2/6211/Math6211Autumn2019.html>

Textbook. Folland, Gerald B. Real analysis. Modern techniques and their applications. Second edition. Pure and Applied Mathematics (New York). A Wiley-Interscience Publication. John Wiley & Sons, Inc., New York, 1999. xvi+386 pp. ISBN: 0-471-31716-0

Material. We plan to cover chapters 1-3, parts of 4-6, and chapter 7.

Prerequisites. Math 5202 (653) or equivalent.

Emails. I would prefer you speak with me directly either before or after class or in office hours. If you send me an email, I will only respond if it is from your university email address and be signed with your name.

Technology. Use of laptops and tablets in class is permitted, but not during exams. If you think that your use of your devices may be distracting to other students, please sit towards the back of class. If you must text or surf on your phone, please keep it where no one can see it.

Discussion. There are two discussions sections run by Professor Keyfitz:

- 20139 Tuesday and Thursday 9:10-10:05 in Enarson Classroom Bldg 206
- 26012 Tuesday and Thursday 10:20-11:15 in Enarson Classroom Bldg 209

Homework. I will assign weekly homework assignments. Homework will be due at the beginning of lecture. The assigned problems are a lower bound of what the student is expected to do. Students may work together to solve the problems, but each student is responsible for their own solutions. In particular, students must write up solutions separately, and any copying will be regarded as academic misconduct/plagiarism. Students may use whatever resources they want for their homework, but they must cite all resources. **Lack of citation will be regarded as academic misconduct/plagiarism.**

Homework will be due at the beginning of lecture on Mondays. Groups may choose to email me their homework before the deadline.

There is a strict format for homework. Groups should hand in a final copy of their homework on plain white paper without lines, perforations, or holes. Please use a new page for each problem. The final copy should represent the student's best effort, as homework counts for the entire class grade. Groups are encouraged to typeset their homework with L^AT_EX, in which case they do not need to stick to one page per problem.

Quizzes. There will be a one problem quiz in the discussion section on Thursday of each week. Solutions will be graded out of 10 points. The lowest score will be dropped.

Exams. There is one midterm and a final exam.
Midterm: Wednesday October 16, during lecture
Final exam: Tuesday December 10, 10-11:45am

Grading.

- 10% Quizzes
- 20% Homework
- 30% Midterm
- 40% Final

If a student must miss a test for reasons beyond their control, in extremely rare circumstances, with prior consent from the instructor, the final will count for a higher percent of their grade.

Grade revisions. You may request that exams be regraded. This request must be *in writing* and be turned in by the end of the class or office hour during which your exam was returned. If you leave class or office hours with your exam for any reason, your grade revision request will not be accepted.

Incomplete grades. From

<http://artsandsciences.osu.edu/academics/current-students/advising/policies>

An 'I' indicates that a student has completed a major portion of the work in the course in a satisfactory manner, but for reasons judged by the instructor to be legitimate, a portion of the course requirements remains to be completed. If illness or an emergency prevents you from finishing a course, you may request an 'Incomplete' from the instructor. When you receive this grade, you must consult with the instructor as soon as possible to make arrangements for completing the course requirements. Incomplete work must be completed no later than the sixth week of the following semester. If the work is not made up by the due date, the 'I' mark will be changed to the alternate grade the instructor reported.

Academic Misconduct Statement. It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-48.7). For additional information, see the Code of Student Conduct at <http://studentlife.osu.edu/csc/>.

Disability Services Statement. Students with disabilities (including mental health, chronic or temporary medical conditions) that have been certified by the Office of Student Life Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office of Student Life Disability Services is located in 098 Baker Hall, 113 W. 12th Avenue; telephone 614- 292-3307, slds@osu.edu; <http://slds.osu.edu>

Counseling and Consultation Services. As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life Counseling and Consultation Services (CCS) by visiting ccs.osu.edu or calling 614-292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 4th Floor of the PAES Building. 24 hour emergency help is also available through the National 24/7 Prevention Hotline at 1-800-273-TALK or at suicidepreventionlifeline.org.