

**Math 4310. Fall 2018. Information about the final exam.**

The final exam will be given on Monday, December 17th, 9am-12pm in our regular classroom (Cabell 032). It will contain between 6 and 8 problems. There may or may not be a designated bonus problem, but in any case there will be some bonus points incorporated into the scoring system. The exam will be cumulative and cover material from Lectures 3-27. You should expect more emphasis on the material covered since the second midterm (Stone-Weierstrass theorem and measure theory).

One of the exam problems may be taken directly from homework; I may also ask you for a proof of one of the theorems from class (you will be given the list of theorems that may appear on the final at a later point). It is probably not a good idea to try to memorize as many homework solutions/proofs from class as you can, but going over these and making sure you understand all the steps will likely be helpful for the exam in general. In any case, you should clearly know all the main definitions and theorems; if I ask you for one of the definitions in the measure theory part, you should give the definition as stated in class.