

**Math 3354, section 2. Fall 2015. Information about the final exam.**

The final exam will be given on Tuesday, May 5th, 9am-12:10pm in our regular classroom (Rouss 410). It will contain 8 regular problems and possibly a bonus problem. In any case, some bonus points will be incorporated into the scoring system in the sense that you would not have to solve everything to receive 100% score.

The exam will be cumulative, but the distribution of material over different parts of the semester will not be uniform. More than 50% of the exam will be based on what we covered in Lectures 19-25, and there will be little emphasis on the material covered before the first midterm (which does NOT mean that you should ignore it). More precisely, you should expect

- (i) 1 problem on the material covered before the first midterm
- (ii) 2 problems on the material covered between the first and second midterms.
- (iii) at least 1 problem on permutation groups (with the emphasis on conjugation and even/odd permutations)
- (iv) at least 1 problem on normal subgroups and conjugacy classes
- (v) at least 1 problem on cosets and quotient groups
- (vi) at least 1 problem on rings and ideals.
- (vii) one true-false problem

Quotient rings will not be represented in the regular part of the final, but they may appear in the bonus problem (if there is one).