

Seminar Announcement

Time: Friday, November 21, 2003, 4:00pm

Place: Auburn University Montgomery, Goodwyn Hall, Room 202

Speaker: Professor Howard Smith, Bucknell University

Title: “Groups with finiteness conditions on $H/\text{Core } H$ for all subgroups H ”

Abstract:

If H is a subgroup of the group G then the (normal) core of H in G is the intersection of all normal subgroups of G contained in H (the “largest” subgroup of H that is normal in G). If $H/\text{Core } H$ is finite for all H in G then perhaps G should be “close” to being abelian, since a group with all subgroups normal has an abelian subgroup of index at most two. We present a survey of results on this subject and on related topics (that is, where $H/\text{Core } H$ is otherwise restricted for all H). For example, we shall see that a group G satisfying the first “finiteness” hypothesis above need not be “almost abelian”, but with a modest additional hypothesis it is so.

****Refreshments will be served at 3:30pm****