The Department of Mathematics

\[ \mathfrak{F}(P) = \mathfrak{F}(G) \quad P \in \text{Syl}_p(G) \quad N = N_{\alpha}(Z(J(P))), \mathfrak{F}(N) = \mathfrak{F}(G) \]

Algebra Seminar
Monday - October 16, 2017
at 4pm, in the Alavi Commons, Everett Tower

Mr. Mohammad A. Shatnawi
The Department of Mathematics
Western Michigan University

The beginnings of Fusion; Burnside’s normal p-complement Theorem and Don Higman’s Focal subgroup Theorem

In this talk, we will apply the transfer map to prove Burnside’s normal p-complement theorem. Also, after proving some technical transfer lemmas, a sketch of Don Higman’s Focal subgroup theorem will be given. The presentation will be motivated by the treatment of Die Verlagerung in Marshall Hall Jr’s text Group Theory.