1016-05-207   **David Hartvigsen*** (`Hartvigsen.1@nd.edu`), 354 Mendoza College of Business, University of Notre Dame, Notre Dame, IN 46556-5646. *Generalized Matchings.*

Given a graph, the matching problem is to find a maximum cardinality set of edges such that no two edges in the set share a vertex. In this talk we will review some classical results (e.g., due to Tutte, Berge, Edmonds, and Gallai) and then see how these results have been recently extended to more general matching problems. (Received February 13, 2006)