Sociology 613
Winter 2008

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Social Network Analysis

Below is a preliminary list of the required readings for each week. With the exception of Week 2, these readings deal with methods or concepts, rather than applications. Once I have a better sense of students' areas of research interest, I will supplement these with additional required and/or recommended readings of a more substantive nature. The three main texts for the course are Albert-László Barabási, *Linked;* John Scott, *Social Network Analysis: A Handbook* (2nd edition), and Robert A. Hanneman and Mark Riddle, *Introduction to Social Network Methods* (online at http://faculty.ucr.edu/~hanneman/nettext). Students are also strongly encouraged to purchase the *Ucinet 6* network analysis software. Ordering information will be provided at our first meeting.

Several additional books are highly recommended: S.D. Berkowitz, *An Introduction to Structural Analysis*; Stanley Wasserman and Katherine Faust, *Social Network Analysis: Methods and Applications*; Alain Degenne and Michel Forsé, *Introducing Social Networks*; Martin Kilduff and Wenpin Tsai, *Social Networks and Organizations*; and Peter Carrington, John Scott, and Stanley Wasserman (eds.), *Models and Methods in Social Network Analysis*.

Evaluation will be based equally on class participation (including submitting questions for class discussion) and the writing of a 10 to 15-page research proposal, due at the end of the term.

You can find updated versions of this syllabus and a variety of interesting links and resources at the course web page: http://uoregon.edu/~vburris/soc613.

COURSE SCHEDULE:

Week 1 (January 8): Organizational Meeting

Week 2 (January 15): Multidisciplinary Overview of Network Analysis
    Albert-László Barabási, *Linked*

Week 3 (January 22): Fundamentals of Social Network Analysis
    John Scott, *Social Network Analysis*, chapters 1-3.
    Charles Kadushin, I*ntroduction to Social Network Theory*, chapter 2, "Some Basic Network Concepts and Propositions."
    Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapters 1-3.

Week 4 (January 29): The *Ucinet* and *Netdraw* Software Programs
    Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapters 4-6.
    UCINET User's Guide (especially chapter 3).

Week 5 (February 5): Connections, Distance, and Density
    John Scott, *Social Network Analysis*, chapter 4.
    Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapters 7-9.
    Peter S. Bearman, James Moody, and Katherine Stovel. 2004. "Chains of Affection: The Structure of Adolescent Romantic and Sexual Networks." *American Journal of Sociology* 110: 44-91.

Week 6 (February 12): Centrality and Power
    John Scott, *Social Network Analysis*, chapter 5.
    Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapter 10.
    Beth Mintz and Michael Schwartz. 1981. "The Structure of Intercorporate Unity in American
       Business." *Social Problems* 29: 87-103.
    Wayne Baker and Robert Faulkner. 1993. "Conspiracy: Illegal Networks in the Heavy
       Electrical Equipment Industry." *American Sociological Review* 58: 837-860.

Week 7 (February 19): Cliques and Sub-groups
    John Scott, *Social Network Analysis*, chapter 6.
    Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapter 11.
    Wayne Baker. 1984. "The Social Structure of a National Securities Market." *American
       Journal of Sociology* 89: 775-811.

Week 8 (February 26): Equivalence, Clusters, Block Models
    John Scott, *Social Network Analysis*, chapter 7.
    Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chaps 12,13,15.
    John Padgett and Christopher Ansell. 1993. "Robust Action and the Rise of the Medici, 1400-
       1434." *American Journal of Sociology* 98: 1259-1319.
    Val Burris. 2008. "The Interlock Structure of the Policy-Planning Network and the Right Turn
       in U.S. State Policy." *Research in Political Sociology* 17 (forthcoming).

Week 9 (March 4): Multidimensional Scaling and other Visualization Methods
    John Scott, *Social Network Analysis*, chapter 8.
    Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapter 17.
    Linton Freeman, "Graphical Techniques for Exploring Social Network Data." In Peter
       Carrington, John Scott, and Stanley Wasserman (eds.), *Models and Methods in Social
       Network Analysis.*

Week 10 (March 11): Statistical Analysis of Networks
    Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapter 18.
    Val Burris. 2005. "Interlocking Directorates and Political Cohesion among Corporate Elites."
       American Journal of Sociology 111: 249-283.