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](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.


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](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
Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapters 1-3.

Week 4 (January 29): The Ucinet and Netdraw Software Programs

Week 5 (February 5): Connections, Distance, and Density
Week 6 (February 12): Centrality and Power

Week 7 (February 19): Cliques and Sub-groups
Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapter 11.

Week 8 (February 26): Equivalence, Clusters, Block Models

Week 9 (March 4): Multidimensional Scaling and other Visualization Methods
Robert Hanneman and Mark Riddle, *Introduction to Social Network Methods*, chapter 17.

Week 10 (March 11): Statistical Analysis of Networks