This course provides an introduction to the structural constructs of social network analysis, and it draws on computer software (UCINET) for analyses of network data. The focus is on fundamental definitions of network constructs and introductory employments of computer-assisted analysis of network data. The course establishes a basis for the analysis of social network structures, applicable to a large domain of observed networks, which may be built upon with further coursework and independent study.

Weeks 1-2. **Networks, Databases, and Visualization**

Project 1 Report on Sampson’s monastery dataset. **Due in class, Tuesday, Week 3.**

Weeks 3-4. **Node Centralities**

Project 2 Report on Sampson’s monastery dataset. **Due in class, Tuesday, Week 5.**

Weeks 5-6. **Subgroups and Clusters**

Project 3 Report on Sampson’s monastery dataset. **Due in class, Tuesday, Week 7.**

Weeks 7-8. **Macro-Structure Topologies**

Project 4 Report on Sampson’s monastery dataset. **Due in class, Tuesday, Week 9.**

Weeks 9-10. **Various Topics and Questions**

Your course grade is based on the four projects. During the last two weeks of the course, I will lecture on various topics and answer questions that you may have about network analysis and its contributions to social science.