Calendar:

The list shows the topics covered in classes. Brown are lectures based on the textbook, **green** are research presentations, and **blue** are presentations by students, postdoc, and co-PI.

Aug. 30: L01 Overview and Introduction to Network Science/Graph Theory (chapter 1);

Sept. 06: L02 Introduction II (chapter 1);

Sept. 10: L03 Graph Theory II (chapter 2) topics for student presentations;

Sept. 13: L04 Graph Theory III and Random Networks (chapter 2-3);

Sept. 17: L05 **Research: U.S. Senate Clustering; U.S. Congress Polarization II; (Constitution Day)**

Sept. 17: Deadline for research topic selections by graduates due before midnight

Sept. 20: L06 Random Network Properties and Scale-Free Networks

Sept. 24: L07 Research: Global Risk Networks WEF

Sept. 27: L08 Introduction to Gephi + Examples; presented by TA

Oct. 01: L09 Q&A session for H1; Hand Analysis of Class 1889-1881;

Oct. 04: L10 Small World and Scale-Free Networks

Oct. 08: L11 Barabasi-Albert Model (chapter 5)

Oct. 11: L12 Evolving Networks (chapter 6)

Oct. 15: L13 Degree Correlation (chapter 7)

Oct. 18: Grad research plan write-ups are due before midnight

Oct. 18: L14 Degree Correlation II (chapter 7)

Oct. 22 L15 Robustness (chapter 8) + undergrad assignments are due before midnight

Oct. 25: L16 Robustness (chapter 8) the rest of it, Finding the Source of Spread

Oct. 29: Research Presentations

Oct. 29:L17: Prof. Boleslaw Szymanski, NEST Polarization in Social Networks

Nov.01: L18: GRA M. Shahid Modi, NEST, Dr. Yongtao Zhang, NEST

Nov.05: L19: GRA Aamir Mandviwalla, NEST, and Jerry Hu, NEST

Nov.08: L20: Brendan Cross, NEST, **Assignment 1 discussion**;

Nov.12: L21: Prof. Hernan Makse, CUNY, Social Networks; Sutherland Brown(U)

Nov. 15: Graduate (G) and Undergraduate Presentations (U)

Nov. 15: L22: John S., Cohen (G); Tim Xie (U); Sara A., Pike (U);

Nov. 19: L23: Lianting Wang (G); Seth M., Watabe (U); Dylan H., Nicolay (U);

Nov. 22: L24: Elly A., Breves (G); Bijun Wu (U); Arvind S., Bhamidipati(U);

Nov. 26: L25: Sanjay Chari (G); Nicholas T., Pacey (U); Tianshi Zhou (U);

Dec. 03: L26: Tiziana A., Hernandez (G); Lucas G., Baccay (U); Tate B., Whiteberg (U);

Dec. 06: L27: Tom Song (G); Yash C.,Kishore (U);Fu Yu (U);

Dec. 10: L28: Yash Kaul (G); Nathan W., Paul (U); Simon H., Sandrew (U); Thomas T., Tuson (U)