

Classes Start:

Sep 6<sup>th</sup>

No classes ---

L. Albert-László Barabási  
 LS. Louis Shekhtman

R. Rodrigo Dorantes-Gilardi  
 ALL

		Monday		Wednesday		Friday	Comments
Sep. 6-10		Labor Day	L	Chapter 1: Introduction			
Sep. 13-17	LS.	Chapter 2: Graph Theory	L	Chapter 3: Random Networks			
Sep. 20-24			R.	Hands-on (graph-representation, binning, algorithms)			
Sep. 27-Oct 1	R.	Weighted Networks	R.	Network Motifs			
Oct. 4-8	LS.	Hands-on (gephi+cytoscape)	ALL	MOVIE	L	Chapter 4: The scale-free property	First assignment due Oct. 8
Oct. 11- 15		Indigenous Peoples Day	ALL	Preliminary Project Presentations			
Oct. 18-22	L	Chapter 5: The Barabási -Albert model	L	Chapter 6: Evolving Networks			
Oct. 25-29	LS	Chapter 7: Degree Correlations	LS	Chapter 9: Communities			Second Assignment Due Oct. 29th
Nov. 1-5	LS	Chapter 9: Communities	L	Chapter 8: Network Robustness			
Nov. 8-12	L	Chapter 8: Network Robustness	ALL	Intermediate project progress			
Nov. 15-19	R.	Chapter 10: Spreading Phenomena	R./LS /BB	Dynamics on Networks			
Nov. 22-26	R.	Temporal Networks		Thanksgiving		Thanksgiving	Third assignment due Nov. 22nd
Nov. 29- Dec. 3	ALL	Office Hours	ALL	Office Hours			
Dec. 6-10	ALL	Final Exams (pairs)	ALL	Final exams (singles)			