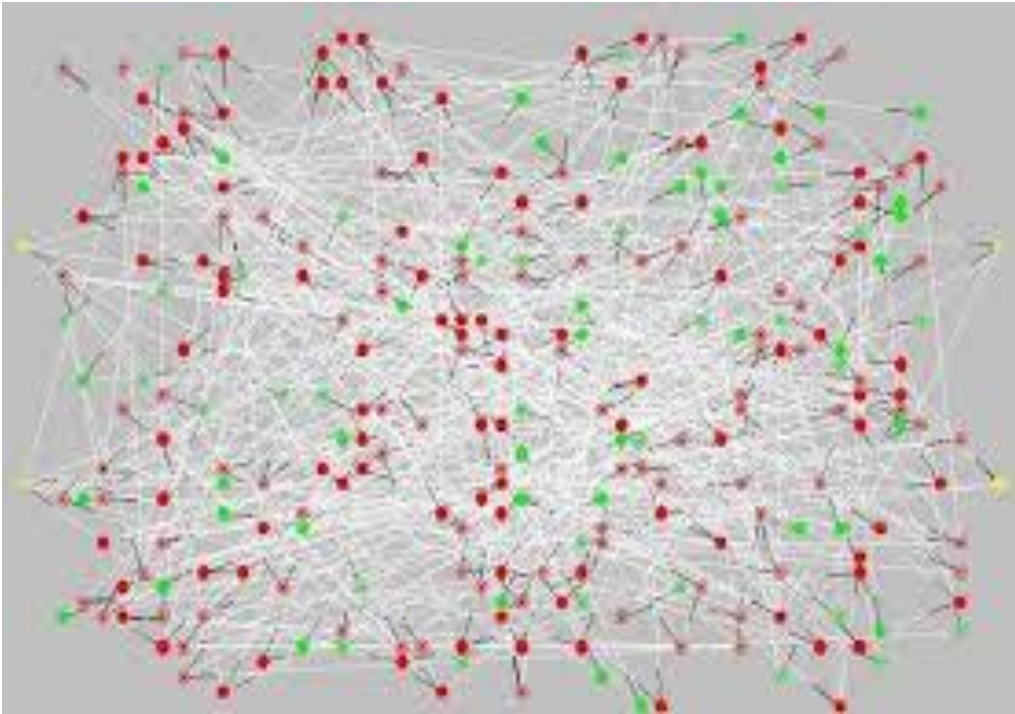


Course Announcement: Spring 2019:

CISC 7940X Special Topics Seminar: “Large Networks and Degree Sequences”



One of the hottest research topics in the field of Networking is understanding the structure of large networks. This is particularly true in the emerging sub-field of Social Networks.

This seminar focuses on properties that are related to the degrees of the nodes in large networks. We will study and analyze the degree sequences of existing networks and we will explore the space of all graphs whose degree sequences match some given characteristics. The emphasis will be on the following algorithmic issues: optimality, scalability, efficiency, and complexity.

Students will have an opportunity to participate in cutting edge research topics that could lead to a research paper and/or a master's thesis. Students are expected to complete a semester-long project that

- Prerequisites: A course in Algorithm and proficiency in programming (any language is fine).
- This course requires instructor permission in order to register.
- This course counts for Group 2 or an advanced elective.
- Taught by: Prof. Amotz Bar-Noy (amotz@sci.brooklyn.cuny.edu).
- Time: Wednesdays, 8:15PM to 10:20PM