



# elective courses on **NETWORKS** in 2019/20

Networks or graphs are ubiquitous in everyday life. Examples include online social networks, the Web, references between WikiLeaks cables, Supervizor, terrorist affiliations, LPP bus map, plumbing systems and your brain. Many such real networks reveal characteristic patterns of connectedness that are far from regular or random. Networks have thus been a prominent tool for investigating real-world systems since the 18th century. However, while small networks can be drawn by hand and analyzed by a naked eye, real networks require specialized computer algorithms, techniques and models. This led to the emergence of a new scientific field about 20 years ago...

## INA

[Introduction to] Network Analysis

### Network analysis concepts and techniques

Course code **63545B** | eUcilmica #183  
**MSc** students | Lecturer Lovro Šubelj  
**Summer** semester | Starts **Feb 17, 2020**  
**Introductory 15 week course to get started**

## MLG

Machine Learning with Graphs

### Modern analysis of large-scale real networks

Course code **63225B** | eUcilmica #66  
**MSc** students | Lecturer Jure Leskovec  
**Winter** semester | Starts **Sep 24, 2019**  
**Fast pace 10 week course by a leading expert**

## ANTS

Advanced Topics in Network Science

### Thorough review of modern network science

Course code **63835A** | eUcilmica #170  
**PhD** students | Lecturers Šubelj & Leskovec  
**Summer** semester | Starts **Mar 2, 2020**  
**Research-oriented 12 week course & invited talks**

Course enrollment is **not** possible in order **from right to left** | lovro.subelj@fri.uni-lj.si

