**Course Syllabus**

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| Title of the course | **Social Network Analysis (offered in English)** |
| Title of the Academic Programme  | "Sociology and Social Informatics" |
| Type of the course  | Elective |
| Prerequisites | none |
| ECTS workload | 6 |
| Total indicative study hours | Directed Study | Self-directed study  | Total |
| 56 | 172 | 228 |
| Course Overview | The course will explore main conceptual, theoretical and methodological approaches related to Social Network Analysis (SNA). Part of the course will be practical training in SNA research methods and techniques. |
| Intended Learning Outcomes (ILO) | * Understanding basic concepts of social network analysis
* Understanding how networks can contribute to the explanation of specific social, political, economic and cultural phenomena
* Mastering basic skills of working with SNA software Gephi, Pajek, R packages
* Acquaintance with biblographic network analysis software VosViewer, CitNetExplorer
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| Teaching and Learning Methods | This course consists of lectures, seminars, computer classes and individual project with presentation. Seminars are held in interactive ways including discussions, group works, quizzes. Computer classes include practical work with social network analysis software. Individual project is a written work (essay) on the course topic. |
| Content and Structure of the Course |
| **№** | **Topic / Course Chapter** | **Total** | **Directed Study** | **Self-directed Study** |
| **Lectures** | **Tutorials** |
| 1 | Network terminology and metrics. Describing, visualising and analysing networks. Software: Pajek, Gephi, R.  | 84 | 12 | 12 | 70 |
| 2 | Network in bibliometrics: using SNA for bibliographic search and analysis. Software: VosViewer and CitNetExplorer. | 60 | 4 | 4 | 32 |
| 3 | Network theory and applications. Network models. Software: Pajek, Gephi, R. | 84 | 12 | 12 | 70 |
| **Total study hours** | 228 | 28 | 28 | 172 |
| Indicative Assessment Methods and Strategy  | Cumulative grade for the course will be based on the following criteria: class attendance, preparation and participation in class discussions (35% of the final grade), individual project (written essay) with oral presentation (35%), final written test (30% of the final grade). Final grade is equal to Cumulative grade (no final exam). |
| Readings / Indicative Learning Resources | Mandatory1) Şule Gündüz-ÖğüdücüA. Şima Etaner-Uyar (2014). Social Networks: Analysis and Case Studies [https://link.springer.com/book/10.1007%2F978-3-7091-1797-2#about](https://link.springer.com/book/10.1007/978-3-7091-1797-2#about) Optional1) Schneider, H. L., & Huber, L. M. (2008). Social Networks: Development, Evaluation and Influence. Nova Science Publishers.<https://ebookcentral.proquest.com/lib/hselibrary-ebooks/detail.action?docID=3018880> |
| Indicative Self- Study Strategies | **Type** | **+/–** | **Hours** |
| Reading for seminars / tutorials (lecture materials, mandatory and optional resources) | + | 100 |
| Assignments for seminars / tutorials / labs | + | 40 |
| E-learning / distance learning (MOOC / LMS) | - | 0 |
| Fieldwork | - | 0 |
| Project work | + | 32 |
| Other (please specify) | - | 0 |
| Preparation for the exam | - | 0 |
| Academic Support for the Course | Academic support for the course is provided via LMS, where students can find: guidelines and recommendations for doing the course; guidelines and recommendations for self-study; samples of assessment materials |
| Facilities, Equipment and Software | Facilities, Equipment and Software SNA software: Gephi, Pajek, R (packages for network analysis)Bibliometric SNA software: VosViewer, CitNetExplorer |
| Course Instructor | Valeria Ivaniushina |