SCHEDULE

ISDS COURSES

academic year 2023-2024 - SEMESTER II

Course	Short description of the course	Professors/ Teaching Staff	Contact details	Timetable	Administrative details/ Classroom
Observing and imaging through spectroscopy *16 course hours* *16 seminar hours,* 6 ECTS	Biomolecular response to radiation and biophysical outcomes. Inside the living: biomolecular function via spectroscopy; biomolecular structure and dynamics via atomic-resolution spectroscopy; diagnostic via imaging; functional Magnetic Resonance Imaging (MRI) in studies of brain function; MRI for structural imaging and angiography. The course aims to offer insight into the mechanisms involved in the perception of the surroundings as well as in the imaging of the living. In order to reach this objective, it delves into the constituents of matter (atoms, molecules) and their interaction with radiation (light and beyond). The notions of resonance condition, emission, absorption, and stimulated emission are	Prof. Paul VASOS	paul.vasos@icub.unibuc.ro	*March* **15.III.2024** 14h15-19h15 **22.III.2024** 14h15-19h45 **29.III.2024** 14h15-19h45 *April* **5.IV.2024** 14h15-19h45 **12.IV.2024** 14h15-19h45 **19.IV.2024** 14h15-19h15	LOCATION: SP1 Chemistry College or first floor,main rectorate building and zoom (Ground floor, Chemistry Building, SP1 room, Panduri road, no. 90) Language of instruction: *English*

	discussed. A brief discussion on the use of spectroscopy in the context of artworks analysis is equally foreseen.				
Scientific projects writing *6 ourse hours,* *6 seminar hours* 3 ECTS	How to choose or pitch a financing application depending on the career stage; Who are the competitors and who are the potential collaborators; The role of conferences, articles, and preliminary data; Formation of a project team; Organization of requested financial means; Figures in proposals; Citations in proposals; How to convey a proposal message concisely; Financing and scientific careers; Perspectives.	Prof. Paul VASOS	paul.vasos@icub.unibuc.ro	*February* **23.II.2024** 14h15-19h45 *March* **1.III.2024** 14h15-20h45	LOCATION: SP1 Chemistry College or first floor,main rectorate building and zoom (Ground floor, Chemistry Building, SP1 room, Panduri road, no. 90) Language of instruction: *English*
Network analysis *6 course hours* *6 seminar hours,* 5 ECTS	Network analysis (NetwA) is an introductory course in the application of network science to socially approached topics (virus spread, contagion of opinions, accumulation of citations, etc.). This course will examine the relationship between networks and human behavior (networks' antecedents and consequences). Students will initially learn the basics of social network analysis. Specifically, the	Prof. Gabriel HÂNCEAN	ghancean@gmail.com Prospective students are invited to send an email of interest (ghancean@gmail.com) by **March 10, 2024.** In their email, interested students are kindly asked to send their CV and a brief paragraph explaining the rationale for	**UPDATE!** **NetwA** is given as a module organized in four different days. A course meeting has three hours and the following structure: **Day 1**: Basic concepts in social network analysis	LOCATION: Panduri (road) no. 90, Faculty of Sociology and Social Work, room 108 / online Language of instruction: *English* The course may be offered in a hybrid format. Participants

	theoretical (contemporary concepts and theoretical models) and practical background (by exercises and statistical techniques). The class will focus on the use of a number of social network concepts, such as social capital, homophily, preferential attachment, propinquity, contagion, etc., and how they can be applied in research as well as in real-life situations. Students will learn how to visualize and analyze social networks using special software packages. Furthermore, students will be required to present their research projects and indicate how they plan to incorporate network analysis into their workflow. References (general) • Stephen P. Borgatti et al. Network Analysis in the Social Sciences. Science323, 892-895 (2009). DOI: 10.1126/science.1165821 • Jonh Scott & Peter J. Carrington (Eds.) The SAGE Handbook of Social Network Analysis. London: Sage Publications Ltd. (2011). ISBN:978-1847873958		selecting this course. This information will be used for a better customization of the content of the meetings. Additional students will not be accepted after the start of the course meetings.	**(March, 19, 2024)** **Day 2**: Research design and statistical models **(March, 26, 2024)** **Day 3**: Applications of network analysis & Student's presentations **(April, 2, 2024)** **Day 4**: Students' presentations **(April, 16, 2024)** The first meeting is scheduled on **March 19, 2024.**	interested in *off-line* meetings can join the courses at Panduri 90, room 108, the building of the Faculty of Sociology and Social Work. The room can be changed to accommodate the number of the participants. Participants interested in *on-line* meetings should know that participation is conditioned by *open- camera* during the entire duration of the course meeting. This condition is mandatory.
Linguistics and cognition	The course is a basic introduction (especially for non-linguists) to the	Prof. Emil IONESCU	emil.ionescu@litere.unibuc.ro	**The first meeting** will take place on	LOCATION: Online - Google Meet,

10 course hours, *10 seminar hours* 5 ECTS	problem of the relationship between language and cognition. The main question to be addressed is to what extent and how our non-linguistic cognitive abilities influence the structure and the content of our language			**Wednesday, March 6, 2024 at 6 p.m.**; after this date the course will be held between *6-8 p.m.*, on **March 13**, **March 20**, **March 27** and on **April 2**, **April 9**, **April 16**, **April 23**, **April 30, 2024**. *Possible changes will be notified later*.	the link shall be send to the students weekly Language of instruction: *English*
Cognitive Science *6 course hours* *6 seminar hours,* 5 ECTS	The course tackles the most recent trends in cognitive sciences and particularly in cognitive psychology (both fundamental and applied). It covers topics such as the cognitive psychology of fake news and discusses innate cognitive errors and biases.	Prof. Ioana PODINĂ	ioana.podina@fpse.unibuc.ro	**UPDATE!** **May 17** between 9 a.m. and 3 p.m **May 24** between 9 a.m. and 3 p.m	LOCATION: *To Be Announced*/ TBA Language of instruction: *English*

In order to join in a **course**, please fill in the **FORM** available on the **ISDS website - ANNOUNCEMENTS section**

https://isds.unibuc.ro/interdisciplinary-research-training-groups/category/announcements/

https://forms.gle/AScWwFrg5Kp2eUwCA