COURSE DESCRIPTIONS

Intro & Linguistics: Srdjan Popov (MONDAY 15th,10 -13h)
This introductory course to linguistics is intended for a wide audience, from linguists to students or professionals with no previous linguistic training. The course will cover a number of essential theoretical topics, mainly in the fields of morphology and syntax. The goal of the course is to prepare the students for the courses in psycholinguistics and neurolinguistics. The course is also of interest to (advanced) linguistics students, as it will focus in detail on a number of selected topics that will later be covered from an experimental perspective.

Neuroanatomy for linguists: Silvia Martínez-Ferreiro (MONDAY 15th,15-18h)
The course provides an overview of the main anatomical landmarks involved in speech and language production and comprehension. The course departs from genetics and a broad characterization of the phono-articulatory and the nervous system and deepens into cortical and subcortical structures relevant for language.

Language acquisition: Mirjana Mirić (TUESDAY 16th,10 -13h)
The course provides an overview of the different stages of typical child first language development with respect to all levels of linguistic structure (phonology, morphology, syntax semantics, and pragmatics). In addition to introducing some of the key questions and theoretical accounts of language acquisition (e.g. Learning vs. innateness, The logical problem of language acquisition, Critical period and lateralization), the course aims at presenting the most prominent methods used to investigate children's linguistic development, such as various types of experimental and corpus studies.

Clinical Linguistics I & II: Silvia Martínez-Ferreiro (TUESDAY 16th,15 -18h; WEDNESDAY 17th, 15 -18h)
The course includes an overview of the main communication disorders. There is a focus on the description, assessment and treatment of speech and language pathologies occurring throughout the lifespan. This includes genetic, developmental, acquired, and degenerative conditions.

Psycholinguistics: Dušica Filipovic Durdevic (WEDNESDAY 17th,10 -13h)
This course will bring an integrative overview of the most important questions and the most studied topics in the area of psycholinguistics. It is conceptualized

as an introduction to the field for the young researchers with dominantly linguistic or dominantly psychological background. However, it is also suitable for researchers from other related fields, such as sociology, philosophy, computational science etc. We will discuss both classical and state of the art findings in speech perception, lexical processing, and the processing of morphology and syntax. We will take both the theoretical and empirical approach, and also introduce the most common experimental paradigms.

Experimental design: Christina Manouilidou (THURSDAY 18th,10 -13h)
This course is a practical introduction to the understanding, evaluation, and design of controlled online and off-line studies and the gathering of spontaneous speech data together with the main methods of data analysis. The course will cover basic concepts including mean comparisons, variance, statistical significance, sampling, inclusion and exclusion criteria and how to think of an experiment in terms of its participants, apparatus and procedure.

Statistics for Linguists I & II: Seçkin Arslan (THURSDAY 18th,15 -18h; FRIDAY 19th, 15-18h)
This course is an accessible introduction to statistics for psycho-/neurolinguists and clinical linguists. The course will introduce general concepts in data analysis, will provide step-by-step tutorials and tutor-supervised lab sessions that guide participants through mixed-effect regression models and their application in different types of experimental data (i.e. accuracy, response time and eye-tracking) using R studio. Alternative methods to analyse clinical data (e.g. aphasia) including case studies and single-subject data will be also covered. The course requires no prerequisites.

Neuroimaging: Christina Manouilidou (FRIDAY 19th, 10-13h)
The course will give an introduction to the field of neuroimaging. It will be divided into two parts. The first part will be a short theoretical introduction into neuroscience and neuroimaging, covering all relevant aspects on physiology, neuroanatomy and some of the most relevant functional networks. In the second part, the course will cover the latest developments on electrophysiological (EEG), electromagnetic (MEG) and hemodynamic techniques (fMRI & PET) used in the study of language.