**LingPhil**

**PhD course on fundamentals in experimental design**

**Course code: SPRÅK8866**

The course will introduce students to topics at the forefront of current experimental research and address basic issues related to setting up, running and interpreting experimental studies of language development and adult language processing. The lectures will link to fundamental, general issues (e.g., establishing causality) and address special considerations for the method/approach they are covering, including things that can go wrong and impede interpretation.

Students will have the opportunity to view pre-recorded lectures on the following topics:

Jim Magnuson: Fundamentals of experimental design (2 sessions)

Inge-Marie Eigsti: Working with special populations (1 session)

Gerry Altmann: The visual world eye tracking paradigm (1 session)

Christian Brodbeck: MEG (1 session)

Rachel Theodore: Open science and reproducibility (1 session)

Emily Myers: fMRI (1 session)

The lectures will be made available via zoom in week 49 (Dec. 1-6th)

In week 50 there will be 1-hour live sessions with each of the instructors to discuss issues/answer questions concerning each of the topics.

**Instructors**: Academic staff at University of Connecticut, USA.

**Organisers:** Mila Vulchanova, Evelyn A. Milburn & Valentin Vulchanov

**Dates:** Weeks 49-50, 2020

**ECTs and student participation:** Students will attend the lectures, and the online sessions with the instructors, ask questions and discuss each topic. At the end of the course they will each pick 1 topic and draft a 500 word unresolved issues paper to be submitted for approval to the course organisers. Eligible students will receive 5 ECTs for the course.