


2.00 credits

15.0 h

Q1

Teacher(s)	Andres Michael ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	Assessment of the course is designed to measure achievement of the learning outcomes targeted. This assessment will involve the completion of an individual assignment consisting in proposing an original eye-tracking study based on a research question identified by the student. This involves describing the theoretical context, the chosen paradigm, the methodology and statistical analyses, and presenting the hypotheses and expected results. The student will defend his or her work orally, in French or English, using a powerpoint-type visual aid. The assessment procedure is the same in the case of a second registration for the exam.
Teaching methods	Lectures will be accompanied by concrete examples and laboratory exercises. Teaching will be delivered via a classroom setting, on the Louvain-la-Neuve campus, but could be carried out remotely (via Teams) should the health situation require to do so.
Content	Eyetracking has become very popular in psychological research, but what do you need to know to make the most of this method and properly appreciate the data it provides? This course aims to familiarize students with the different ways in which eyetracking can be used for research purposes, examining the questions to be asked when designing the experiment, collecting the data and analyzing the results. The course will cover the physiological, technical and methodological foundations of eyetracking. Particular attention will be paid to the paradigms most frequently used in psychology. The course will be accompanied by concrete examples and laboratory exercises. At the end of the course, students will be able to propose an original experiment using eyetracking to test a given hypothesis in the research field of their choice.
Inline resources	Course information will be shared via the Moodle platform.
Bibliography	Il n'est pas nécessaire d'acquérir ces ouvrages / It is not necessary to buy these references : Bojko, A. (2013). Eye tracking the user experience: A practical guide to research. Rosenfeld Media. Duchowski, T. A. (2017). Eye tracking: methodology theory and practice. Springer International Publishing AG. Holmqvist, K., Nyström, M., Andersson, R., Dewhurst, R., Jarodzka, H., & Van de Weijer, J. (2011). Eye tracking: A comprehensive guide to methods and measures. OUP Oxford. Reference BPEM : QA 76 H753 E2 Liversedge, S., Gilchrist, I., & Everling, S. (Eds.). (2011). The Oxford handbook of eye movements. OUP Oxford. Van Gompel, R. P. (Ed.). (2007). Eye movements: A window on mind and brain. Elsevier.
Other infos	The course is given in French, but the slides are in English. The slides be made available via Moodle. Assessment requires students to defend their work orally, using a powerpoint-type visual aid (see assessment procedures). Students may choose to defend their work in French or English.
Faculty or entity in charge	EPSY

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Psychology	PSY2M	2		
Master [120] in Education (shift schedule)	FOPA2M	2		