UCLouvain

lucla1000

2023

MOOC Penser critique

5.00 credits	

This learning unit is not open to incoming exchange students!

Language :	French
Place of the course	Louvain-la-Neuve
Main themes	• Why develop critical thinking skills? • Identify your preconceptions • Decoding the discourse • Evaluating the quality of sources • Understanding the scientific process • Analyse data • Be aware of the limits of science
Learning outcomes	**At the end of this learning unit, the student is able to :** • Decoding the mechanisms at work behind our stereotypes • Identify how the staging of content can manipulate us • Determine the reliability of information and its source • Evaluate and interpret the quality of a scientific approach • Discuss the place and limits of science today
Evaluation methods	Oral exam after completing the online course (for both sessions)
Teaching methods	Online teaching - The registration to the MOOC « Penser critique » is oraginsed on edX.org - see the link :https://bit.ly/Louv22x2022 (same access as those of your virtual office)
Content	Module 1: Why develop critical thinking skills? 1.1 Critical thinking, a new phenomenon? 1.2 Critical thinking and transdisciplinarity Module 2: Identifying your preconceptions 2.1 Stereotypes, biases and preconceptions: what are we talking about? 2.2 Different types of bias 2.3 Distancing and deconstruction Module 3: Decoding speech 3.1 The influence of sound 3.2 The influence of the image 3.3 The influence of the non-verbal 3.4 Words and speech Module 4: Evaluating the Quality of Sources 4.1 Information sources 4.2 The intentionality of information sources 4.3 Reliability of an information source 4.4 Scientific publications Module 5: Understanding the Scientific Process 5.1 The different types of reasoning 5.2 The scientific process 5.3 Critical research approach 5.4 Pseudo or non scientific approach Module 6: Analyzing Data 6.1 The qualitative approach 6.2 Samples, surveys and probabilities 6.3 Interpreting data 6.4 Distinguish between causality and correlation Module 7: Recognizing the Limits of Science

	7.1 Scientific consensus 7.2 Human and technological limitations of the scientific process 7.3 Diversity of scientific approaches 7.4 The place of science in Western society
Inline resources	All resources are online
Faculty or entity in charge	PSAD