UCLouvain

lcomu1312

2024

Technologies and Communication

4.00 credits	22.5 h + 10.0 h	Q1

Teacher(s)	Baur Monica (compensates Descampe Antonin) ;Descampe Antonin ;Macq Benoît (compensates Descampe Antonin) ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	*The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Learning outcomes	

Evaluation methods	• **First session**:
	  • **Group work**: Students will present a case study on a technology (for example, a voice assistant using AI or an augmented reality application) and its social use.
	  • **Final assessment**: A group writing, followed by a group oral interview, during which students will have to defend their work and discuss their prospective analysis.
	• **Second session**: if the assessment of the first session is insufficient, students will have to improve their initial work. The assessment will then focus on the improvements made to the written work and during the oral interview.
	
	Use of AI tools
	The use of artificial intelligence during the assessments of this course is governed by the rules mentioned in the faculty note on this subject and available on the faculty intranet site in the information for students.

Teaching methods	• **Lectures**: Theoretical introduction of technological and methodological concepts. • **Case studies**: Active participation of students through practical case studies, combining a technical description with an analysis of social uses. • **Prospective vision**: Students' work must include a prospective reflection on the three technological aspects. • **Teaching flexibility**: Part or all of the sessions can be given remotely, via Teams or in the form of recorded videos.
Content	The course content combines three technological components (AI, cryptography, multimodal interactions), followed by a methodological part devoted to the analysis of technological devices and their social appropriation. • **Engineering**: Artificial intelligence, cryptography, data security, and multimodal interaction devices, including augmented reality. • **Communication sciences**: Models for analyzing technical innovation and its social appropriation, including the impact of emerging technologies on human communication practices.
Inline resources	Slides and other resources (references on artificial intelligence, cryptography, multimodal interactions, and user experience studies) are available on Moodle: https://moodle.uclouvain.be/course/view.php?id=2471
Faculty or entity in charge	ESPO

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Minor in numerical technologies and society	MINSTIC	5		🔍
Minor in Information and Communication	MINCOMU	5		🔍
Minor in Culture and Creation	MINCUCREA	4		🔍
Bachelor in Information and Communication	COMU1BA	4	LCOMU1127	🔍