

LCOMU2812

2016-2017

Emerging technical devices

5.0 credits	30.0 h	2q
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Teacher(s):	Descampe Antonin ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Topics covered during the course are:
Aims :	After the course, students should have: Knowledge on emerging technology devices and basic understanding of the underlying technologies Knowledge on the conditions for the appearance of these devices and their societal consequences Ability to use such knowledge for the understanding and critical analysis of new devices. The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".
Evaluation methods :	Oral evaluation on transmitted knowledge: underlying technologies of emerging devices, conditions of appearance, societal impact Evaluation of the research and analytical work carried out by the student on a chosen emerging device. This work will be presented and discussed during the course.
Teaching methods:	Lectures by the teacher and by stakeholders directly involved in the analysis, design and / or marketing of emerging devices Analysis by the student of a specific device, according to a list of criteria provided by the teacher, and group discussion and presentation of the analysis outcomes.
Content:	The course is structured as a series of emerging technical devices studies (see partial list below). First, the keys to understand underlying technologies will be presented, including:

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	Smart clothes Assisted interfaces for users with sensory, cognitive or motor limitations Internet of Things Virtual or augmented reality Social Robotics
Other infos :	Technological complement to the course "Digital Media and Education", centered on educational process rather than on the study of actual devices.
Faculty or entity in charge:	СОМИ

Programmes / formations proposant cette unité d'enseignement (UE)							
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage			
Master [120] in Information and Communication Science and Technology	STIC2M	5	-	•			