lcomu1127
2023

Informatique, communication et multimédia

5.00 credits	20.0 h + 10.0 h	Q2

Teacher(s)	Philippette Thibault ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	1. An introduction to the field of Information Technology : • definitions of Information Technology and the computer ; • a historical overview of computer science and its development ; • binary code ; • digitization ; • basic media technologies (sound, image) ; • programming languages, operating systems and application software ; • principles of computer network communication. 2. Practical computer skills : • introduction to working with IT office tools and relevant software ; • introduction to working with sound and image files and to relevant software ; • introduction to multimedia composition software and related techniques ; • introduction to working with the Internet: web sites and communication tools. 3. Introduction to the issues of multimedia communication related to aspects such as interactivity, algorithms, digital traces and so on.
Learning outcomes	**At the end of this learning unit, the student is able to :** 1 By the end of this course, students should have acquired: - a broad background in Information Technology, key concepts in Information Technology and networking, basic knowledge of computer systems (materials, functioning, basic software, multi-media technology and Internet) - theoretical and practical working knowledge of the principal IT applications within Social Sci-ences (multimedia applications and Internet, document presentation and word processing) - critical skills in the field of multimedia communication
Evaluation methods	L'évaluation est répartie de la manière suivante : 1. Quiz intermédiaires et monitorats éventuels (30%) = évaluation continue 2. Examen en session composé d'un QCM et de questions ouvertes de démonstration et/ou réflexion (70%) ***Pour la seconde session, l'évaluation se fera <u>uniquement</u> sur base d'un examen écrit ou oral (100% note finale)***
Teaching methods	Structure The course is structured in 10 modules divided into 4 parts of material: • Computer science (computer language, architecture and operation of computers, networks and the Internet); • Multimedia (digitization of sound, image and video); • Office automation (spreadsheet) and • Communication (multimedia communication issues). Pedagogy The course is taught ex cathedra. Regular self-assessment quizzes (Wooclap) will be launched to enable students to assess their understanding of the subject. As active participation in the course is significantly correlated with success in the exam, attendance at the sessions is strongly recommended. At various times announced by the teaching assistant(s) (3 or 4), tests of parts of the subject are organised. Success (or failure) in these tests determines whether the monitoring sessions are compulsory or optional. These monitoring sessions are organised in the computer room and require prior registration by the student (note: if the health situation does not allow this, these sessions will be organised according to adapted procedures communicated on Moodle).
Content	Objectives (in terms of skills):

	• Acquisition of a general knowledge of computer science (hardware components, computer operations, basic softwares, multimedia technologies and Internet). • Acquisition of theoretical and practical knowledge in social sciences (multimedia and Internet, presentation and data processing). • Acquisition of a critical competence in the field of multimedia communication.
Inline resources	https://moodleucl.uclouvain.be/course/view.php?id=6683
Other infos	The course materials (presentations) as well as a series of complementary content (podcasts, quizzes, etc.) are gradually posted on the Moodle platform. **English-friendly course** • Questions: students can ask their questions in English • Dictionary: students are allowed to use a dictionary (monolingual French dictionary or bilingual French-mother tongue dictionary, as specified by the teacher), including for exams • Note: the course materials as well as the exam are in French
Faculty or entity in charge	ESPO

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Information and Communication	COMU1BA	5		🔍