UCLouvain

lcomu1127

2021

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	The course evaluation is in three parts: 1. Active participation in the teacher's Q/R sessions (20%) = continuous assessment part 1 2. Intermediate quizzes and possible monitoring (30%) = continuous assessment part 2 3. In-session examination consisting of a MCQ and open-ended demonstration and/or reflection questions (50%) For the second session, the assessment will be based only on an exam with more questions (no deferral of participation in continuous assessment!).
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 based on a reversed pedagogy. After the first face-to-face introductory session, students must watch theoretical and technical explanatory videos (Moodle platform) for each part of the course. At the end of each part of the course (equivalent to 3 class sessions), a face-to-face Q&A session is organised, during which the teacher asks some self-assessment questions (Wooclap) and answers any questions by performing demonstrations, if necessary. Active participation in these feedback sessions is counted towards the final grade. At several deadlines announced by the assistant(s) (3 or 4), tests of parts of the material are organised. The success (or not) of 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 it, these sessions will be organised according to adapted modalities 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		
Minor in numerical technologies and society	MINSTIC	5		