


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	<p>1. An introduction to the field of Information Technology :</p> <ul style="list-style-type: none"> • 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. <p>2. Practical computer skills :</p> <ul style="list-style-type: none"> • 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. <p>3. Introduction to the issues of multimedia communication related to aspects such as interactivity, algorithms, digital traces and so on.</p>
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>By the end of this course, students should have acquired:</p> <ul style="list-style-type: none"> - 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) 1 - 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	<p>L'évaluation est répartie de la manière suivante :</p> <ol style="list-style-type: none"> 1. Quiz intermédiaires et monitorats éventuels (40%) = évaluation continue 2. Examen en session composé d'un QCM et de questions ouvertes de démonstration et/ou réflexion (60%) <p>Pour la seconde session, l'évaluation se fera <u>uniquement</u> sur base d'un examen écrit ou oral (100% note finale)</p>
Teaching methods	<p>Structure</p> <p>The course is structured in 10 modules divided into 4 parts of material:</p> <ul style="list-style-type: none"> • 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). <p>Pedagogy</p> <p>The course is based on a reversed pedagogy. After the first face-to-face Introduction session, students have to watch theoretical and technical explanatory videos (Moodle platform) for each part of the course. At the end of each part, a face-to-face Q&A session is organized, during which the teacher asks some self-assessment questions (Woodclap) and answers any questions by performing demonstrations, if necessary. Active participation in these feedback sessions is therefore highly recommended.</p> <p>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).</p>

Content	<p>Objectives (in terms of skills):</p> <ul style="list-style-type: none"> • 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	<p>https://moodleucl.uclouvain.be/course/view.php?id=6683</p>
Other infos	<p>The course materials (presentations) as well as a series of complementary content (podcasts, quizzes, etc.) are gradually posted on the Moodle platform.</p> <p>English-friendly course</p> <ul style="list-style-type: none"> • 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	<p>ESPO</p>

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Minor in numerical technologies and society	MINSTIC	5		
Bachelor in Information and Communication	COMU1BA	5		