

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.



5 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>
Aims	<p>1. 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).</p> <p>----</p> <p>2. Have acquired theoretical and practical working knowledge of the principal IT applications within Social Sciences (multimedia applications and Internet, document presentation and word processing).</p> <p>----</p> <p>3. Have acquired critical skills in the field of multimedia communication.</p> <p>----</p> <p><i>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".</i></p>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>The evaluation of the course is done in three parts:</p> <ul style="list-style-type: none"> • A multiple-choice questionnaire assessing "basic" knowledge, understanding and exercises resolution on the entire topics of the course. This multiple choice is worth 50% of the final grade. • The success of the tests and/or monitoring participation allows the student to accumulate up to 3 points (one by test or monitoring). <u>Warning:</u> the failure of the multiple-choice questionnaire during the examination is considered as blocking. If this is the case, the student only obtains his result at the QCM (reported on 20) in final grade. • A serie of open questions for 7 points evaluate the student's most advanced knowledge (ability to solve problems, critical thinking based on theories, etc.). <p>For the second session, the student has the choice between keeping his or her tests/monitoring points or answering an additional (open) question during the exam. The other modalities (partly QCM and partly open questions) remain identical to the first session.</p>

Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Methods: The course is structured in 10 training modules spread over 4 chapters:</p> <ul style="list-style-type: none"> • Informatics (computers language, computers architecture and operations, networks and the Internet); • Multimedia (digitization of sound, image and video); • Office software (spreadsheet) and • Communication (challenges of multimedia communication). <p>The course includes ex cathedra sessions alternating quizzes, demonstrations and more theoretical parts. At three deadlines announced by the assistant, tests of parts of subject are organized. The success (or not) of these tests determines the mandatory or optional nature of the monitoring sessions. These tutorials are organized in computer room and on registration of the student via 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>
Faculty or entity in charge	<p>ESPO</p>

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Information and Communication Science and Technology	STIC2M	5		
Bachelor in Information and Communication	COMU1BA	5		
Minor in Information and Communication Studies and Technologies	LSTIC100I	5		