

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>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 <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>
Teaching methods	<p>Method The course is structured around a series of lectures with use made, wherever possible, of inductive teaching meth-ods (through illustrations, demonstrations, problem solving) and concrete demonstrations. The course includes 15 hours of practical computer skills teaching which will take place in the Faculty computer labs.</p>
Content	<p>The course is structured around a series of lectures with use of inductive teaching methods (through illustrations, demonstrations, problem solving) and concrete tools demonstrations.</p>
Other infos	<p>Supervision : The practical course work (15 hours), for which students are split into small groups, is supervised by assistants.</p>
Faculty or entity in charge	ESPO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Information and Communication	COMU1BA	5		