


5.00 credits

30.0 h + 15.0 h

Q2

Teacher(s)	Fouss François ;
Language :	French
Place of the course	Mons
Main themes	<p>Context</p> <ul style="list-style-type: none"> • Digital world, digital transformation and business intelligence. • Impacts, roles and challenges of digital technology in a world in transition, and the digital responsibility of organisations/companies. <p>Technical basics</p> <ul style="list-style-type: none"> • Binary language and computer logic. • Components and architecture of a computer. • Introduction to algorithms, programming languages. • Computer networks.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>Given the « competencies referential » linked to the LSM Bachelor in Management and Business Engineering, this course mainly develops the following competencies:</p> <ul style="list-style-type: none"> • 1.1 Demonstrate the ability to reason independently and adopt a considered and critical approach to knowledge (academic and common sense). • 2.1 Understand the basic concepts and theories in each of the fields of management and economics. • 3.1. Understand and selectively use scientific texts and works in French and English. • 9.1 Self-management: define your priorities, plan ahead and organise all aspects of your work over time, be rigorous and structured in your approach. <p>1</p> <p>At the end of the class, the student will be able to:</p> <ul style="list-style-type: none"> • place the digital technology in its organizational and societal contexts, and understand its main impacts and challenges; • master the basic concepts of computer science; • understand the functioning of computers through the understanding of computer logic and the introduction to algorithmics.
Bibliography	<ul style="list-style-type: none"> • BROOKSHEAR J.G. (2011), Computer Science (11th Edition), Pearson Education. • SNYDER L. (2012), Fluency with Information Technology: Skills, Concepts, and Capabilities (5th Edition), Prentice Hall.
Faculty or entity in charge	CLSM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor : Business Engineering	INGM1BA	5		
Bachelor in Management	GESM1BA	5		