UCLouvain

binge1135

2024

Foundations of Business Information Management

4.00 credits	30.0 h + 15.0 h	Q2

This learning unit is not open to incoming exchange students!

Teacher(s)	Laurier Wim ;
Language :	English
Place of the course	Bruxelles Saint-Louis
Learning outcomes	**At the end of this learning unit, the student is able to :** • Explain the relevance of Information and communication technology (ICT) and Information Systems (IS) for management • Understand the strategic importance of ICT and IS • Apply ICT and IS practices in a business context • Use ICT and IS applications in other courses • Interpret the code of a computer algorithm • Explain the code of a computer algorithm • Develop a computer algorithm on the basis of a specification
Evaluation methods	The summative assessment is a written closed-book examination of three hours composed of two parts. The first part relates to the introduction to ICT management and infrastructure and assesses the student's ability to **reproduce** and **paraphrase** the definitions of concepts that make up the basic vocabulary of a computer scientist, as well as argue the importance of computer science in management as a **synthesis** of the curriculum. The second part relates to the introduction to programming. The questions will mix basic aspects (e.g., **interpretation/understanding/evaluation** of Python code), concepts seen in the course, and practical questions of algorithm **development**, and **production** of a program meeting a given specification. A “cheat sheet” containing a summary of relevant the Python syntax will be available during the exam. Students will need to pass both parts individually to pass the exam, be it with a tolerance. More precisely, the student’s final grade for the summative assessment will be average of the scores obtained for each part in case a score of at least 8/20 is obtained for each part individually. As soon at least one of both scores is below 8/20, the lowest score is the final grade.
Teaching methods	Introduction to ICT management and infrastructure: • Independent study of the course book (equivalent to 15h of in class) • Online self-evaluation tests on MoodleUSL-B Introduction to programming: • 15 hours of face-to-face lectures • 15 hours of exercises in the computer lab •
Content	ORGANIZATIONS, MANAGEMENT, AND THE NETWORKED ENTERPRISE - Information Systems in Global Business Today - Global E-Business and Collaboration - Information Systems, Organizations, and Strategy - Ethical and Social Issues in Information Systems INFORMATION TECHNOLOGY INFRASTRUCTURE - IT Infrastructure and Emerging Technologies - Foundations of Business Intelligence: Databases and Information Management - Telecommunications, the Internet, and Wireless Technology - Securing Information Systems Introduction to programming (by using Python) What is an algorithm? Control structures - Sequences - Choices (if) - Loops (for en while) Modular programming

	- Functions - Procedures
Other infos	There will be weekly office hours (2 hours per week) to answer student questions about the self-assessment and study method once the introduction to programming part is over. The Python “cheat sheet” and the online self-evaluation quizzes will be available on Moodle from the start of the semester on.
Faculty or entity in charge	ESPB

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor of Science in Business Engineering	BBEB1BA	4		