

Teacher(s)	Kolp Manuel ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<ul style="list-style-type: none"> • Key topics related to IS management: change management, project management, auditing of information systems, synthesis of available tools and technologies • Positioning of information systems in the management of organizations • Major non-technical issues: legal and fiscal issues, internal control, security, ethics and social impact of information systems • General principles of project management: tasks and work plan, milestones, checkpoints, etc. • General planning techniques, life cycles and project methodology • Methods for estimating costs and development delays for a computer system and its derivatives. • Allocation of resources under development • Quality Management: Risk Management • Change management
Aims	<p>Students who successfully complete this course will be able to:</p> <ul style="list-style-type: none"> • List the main components of an information system (eg ERP and its tools), describe their functioning and the interactions between them • Analyze the functioning of an information system, discuss its strengths and weaknesses and make suggestions for improvement • Explain the life cycle of an IT project and identify the actions to be taken as project manager during the different phases of the project • Explain the managerial, human and economic issues associated with an IT project and exploit this knowledge to improve his practice as a project manager <p>1</p> <p>The students will have developed methodological and operational skills. In particular, they will have developed their</p> <ul style="list-style-type: none"> • Explain the role of organizational information systems in companies by using examples and, more precisely, present in an argumentative way the role of information systems as tools to support the strategy of a company • Take account of the non-technical dimensions (ethical, legal, fiscal, etc.) in the projects of setting up or adapting an information system • Mastering methods and tools that help a project leader to carry out the project <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	Written examen and project
Teaching methods	Lecture + lab and project about the development of an information system
Content	<p>1. The main foundations of the discipline</p> <ul style="list-style-type: none"> • Organizational information systems • Changing roles of information systems • Technology and information systems <p>2. The place of information systems in the management of organizations</p> <ul style="list-style-type: none"> • Information systems to support the strategy • The ERP and its tools, resources and key components of information system • Information systems and decision support <p>3. The management of information systems</p> <ul style="list-style-type: none"> • Driving change in an information system project • Information system projects

	<ul style="list-style-type: none"> • Audit of information systems <p>4.The major issues</p> <ul style="list-style-type: none"> • Security of Information Systems • Information systems, unwavering support of internal control • Legal and tax issues related to information systems • Ethical and social impact of information systems <p>5. Labo and project around the development of an information system with Oracle Application Express or a similar platform</p>
Inline resources	https://moodleucl.uclouvain.be/course/view.php?id=10047
Bibliography	Notes de cours et livre : Systèmes d'information organisationnels P. Vidal, V. Petit (Coord.), 2009
Other infos	<p>Background :</p> <ul style="list-style-type: none"> • LECGE1115 Basic economics and management • LSINF1101 Basic programming • LSINF1103 Basic algorithmic
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Additional module in computer science	LSINF110P	5		