UCL Université catholique de Louvain

LSINF1211
2014-2015

Introduction to information systems

5.0 credits	30.0 h + 15.0 h	1q

Teacher(s) :	Kolp Manuel ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	> http://icampus.uclouvain.be/claroline/course/index.php?cid=lsinf1211
Prerequisites :	p { margin-bottom: 0.08in; }
Main themes :	p { margin-bottom: 0.08in; } -- Key issues related to management of IS: change management, project management, information systems audit, synthesis available tools and technologies -- Discussions on the role of information systems in the management of organizations -- Main non-technical issues : legal and tax issues, internal control, safety, security, ethics and social impact of information systems -- Project: development of an information system
Aims :	td p { margin-bottom: 0in; }p { margin-bottom: 0.08in; } Students completing successfully this course will be able to -- list the main components of an information system (eg. ERP and tools), describe how they operate and how they interacte to lead to a efficient information system -- analyze the behavior of an information system, arguing about its strengths and weaknesses and make suggestions for improvement -- carry out a project for adapting an information system to specific needs of a company starting from a existing information system, therefore, get an overview of the tools and technologies available -- concretely develop an information system Students will have developed skills and operational methodology. In particular, they have developed their ability to: -- clarify the role of organizational information systems in businesses using examples. More specifically, argue about the role of information systems as a tool to support business strategy -- consider non-technical dimensions (ethical, legal, tax, ...) in project such as the development or the adaptation of an information system. *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".*
Evaluation methods :	td p { margin-bottom: 0in; }p { margin-bottom: 0.08in; } Written examen and project
Teaching methods :	p { margin-bottom: 0.08in; } Lecture + lab and project abouth the development of an information system
Content :	p { margin-bottom: 0.08in; } 1. The main foundations of the discipline -- Organizational information systems -- Changing roles of information systems -- Technology and information systems 2. The place of information systems in the management of organizations -- Information systems to support the strategy --

	The ERP and its tools, resources and key components of information system -- Information systems and decision support 3. The management of information systems -- Driving change in an information system project -- Information system projects -- Audit of information systems 4.The major issues -- 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 5. Labo and project around the development of an information system with Oracle Application Express or a similar platform
Bibliography :	td p { margin-bottom: 0in; }p { margin-bottom: 0.08in; } Lecutre notes and book : Systèmes d'information organisationnels P. Vidal, V. Petit (Coord.), 2009
Other infos :	Background : LECGE1115 Basic economics and management LSINF1101 Basic programming LSINF1103 Basic algorithmic
Cycle and year of study :	> Bachelor in Computer Science
Faculty or entity in charge:	INFO