LSINF1312

2015-2016

Project management in computer science

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=LINF2282c63
Prerequisites :	LSINF1212 *The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Main themes :	-- Main principles of project planning: tasks and work plan, milestones, checkpoints, etc.. General technical planning: PERT charts, critical paths, function points, etc.. -- IT contracts -- Methods to estimate costs and development time of software: COCOMO and derivatives. -- Resource allocation in development -- Quality Management: CMM-I procedures, ISO9000, ISO 9126, etc.. -- Risk Management -- Change Management
Aims :	To teach the concepts, frameworks, methods and tools which will enable a project manager to carry out its work throughout the lifecycle of an IT project. Emphasis is placed on managerial aspects, human and economic management of an IT project. Students completing successfully this course will be able to -- explain the life cycle of an IT project and identify actions to be taken as project manager during the various phases, -- explain the managerial, human and economic challenges associated with IT projects and exploit this knowledge to improve its practice of project manager. Students will have developed skills and operational methodology. In particular, they have developed their ability to -- master methods and tools that help a project manager to lead the project process. *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".*
Bibliography :	-- B. Boehm, Software Engineering Economics, Prentice Hall, 1981. -- B. Boehm, Software Cost Estimation with COCOMO II, Prentice Hall, 2000 -- W. Royce, Software Project Management: A Unified Framework, Addison-Wesley, 1998 -- F. Brooks, The Mythical Man-Month, Addison-Wesley, 1995. -- A. Stellman, Applied Software Project Management, O'Reilly, 2005 -- P. Jalote, Software Project Management in Practice, Addission-Wesley, 2002

Other infos :	http://www.projectreference.com/ Background: -- An experience in software analysis and modeling, software development and programming for a small-size project is required to start this course.
Faculty or entity in charge:	INFO

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Linguistics	LING2M	5	-	
	LSINF110P	5	LSINF1212	