UCL Université catholique de Louvain

MQANT2123

2015-2016

Networks and Telecom

5.0 credits	30.0 h + 0.0 h	1q

Teacher(s) :	Jourquin Bart ;
Language :	Anglais
Place of the course	Mons
Main themes :	Introduction : Networks and OSI model Networks -- LAN:Ethernet, Token-Ring -- Access to the Internet network: xDSL, wifi, wimax, etc. -- Global suppliers:SDH, DWDM -- Services Security -- Anatomy of a hacker -- Best practices in network design, filters and firewalls. Management of a local area network and distributed applications. The course is enriched by contributions from external experts (case studies)
Aims :	On completion of this course, students will be familiar with the various technologies used in local area networks (LAN) and global networks (MAN, WAN) based on the OSI model. In addition to these technological aspects, particular attention will be paid to computer network security and management. *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 :	Written examination and students' individual work
Teaching methods :	' Lectures ' Case studies ' Students' individual work (written work
Bibliography :	' FITZGERALD J., DENNIS A. (2007), Business Data Communications and Networking, John Wiley & mp; Sons, Inc. ' TANENBAUM A. (2003), Réseaux, 4th ed., Pearson Education.
Faculty or entity in charge:	BLSM

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Business Engineering	INGM2M	5	-	