2q

Université catholique de Louvain

Teacher(s) :

Bibliography :

study :

charge:

Cycle and year of

Faculty or entity in

5.0 credits

LINGI2142

2010-2011

-- QoS

slides online

INFO

-- MultiProtocol Label Switching

-- Evolution of the Internet architecture

> Master [120] in Computer Science

> Master [120] in Electrical Engineering

> Master [120] in Computer Science and Engineering

-- BGP/MPLS VPNs

Bonaventure Olivier ;

30.0 h + 30.0 h

Computer networks: configuration and management

Language : Anglais Place of the course Louvain-la-Neuve Inline resources: > http://www.icampus.ucl.ac.be/INGI2142 Networks (informations transfert, protocols, ...) as provided by INGI2141 Prerequisites : -- network architectures and the role of virtual networks Main themes : -- quality of service -- provision of multicast -- network reliability -- principles of network management Students completing successfully this course will be able to Aims : -- design, deploy and manage data networks -- explain the threats against networks and the defense strategies -- deploy mechanisms to ensure quality of service, security and reliability 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". -- Oral exam Evaluation methods : -- Projects Lectures Teaching methods : 4-5 projects by groups of 4 related to the design and configuration of networks -- sessions in computer rooms with the teaching assistants at the beginning of the projects (to get used with the main commands) -- sessions of feedback at the end of the projects -- Traffic control in IP networks Content : -- IP Mutlicast -- IPv6