

RE200 : Introduction to Network security

Shared by UV(s) :

T8-J UVT8B2 - Réseaux et Sécurité page 0

Shared by choice module(s) :

EX207 Modules "Parcours Techniques" (choisir 1 parcours composé de deux modules) page 0

ECTS credits :

3.00

Evaluation :

S1: ET(1h30,E) x1; S2: ET x1

Number of hours :

Lecture : 16.00
Practical work : 4.00

Teacher(s) :

DELORD Xavier

Title :

Introduction to Network security

Abstract :

After an introduction to information security, this lecture focuses on the security of data transmission, i.e. on network security. The main cryptographic tools needed to achieve this goal are also presented.

Plan :

- * Introduction to information security
- * Introduction to network security
- * Cryptographic tools for network security
- * Security protocols
- * Applications

Prerequisite :

principles of networks and of their architectures, IPv4 and IPv6 architectures

Document(s) :

Stallings W. "Network Security Essentials: Applications and Standards - Third Edition". Pearson Printice Hall, 2007.

Keyword(s) :

information security, network security, IPv4, IPv6, TCP/IP, cryptography