


UE Communication systems

 **ECTS**
3 credits

 **Component**
UFR PhITEM
(physique,
ingénierie, terre,
environnement,
mécanique)

 **Semester**
Printemps

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX8ECAE

Presentation

Description

OSI model, Ethernet networks, TCP/IP, Network Address Translation

Course objectives:

To be able to configure and manage a basic Local Area Network

Outline:

- Topology, OSI model
- Ethernet Networks, CSMA/CD
- IP addressing and routing
- ARP - ICMP - Frame analysis
- TCP/UDP - Services - Network Address Translation



Labs : Building a simple LAN with Linux.

Course parts

UE Communication systems - CM/TD	Lectures (CM) & Teaching Unit (UE)	18h
UE Communication systems - TP	Practical work (TP)	8h

Useful info

Campus

> Grenoble - Scientific Polygon