

## Computer networks



### SCHOOL

Polytech Graduate School of Engineering



### CAMPUS

Belle-Beille



### LEVEL

3rd year Bachelor's degree



### OPEN TO EXCHANGE STUDENTS

Yes



### SEMESTER

Fall (S1)

- > **Degree course:** Graduate School of Engineering - Automation and Computer Engineering
- > **Teaching unit:** UE 5.3 Génie informatique
- > **Course language:** English
- > **Duration (hours):** 24
- > **ECTS:** 2
- > **Teacher(s):** Laurent Hardouin

#### > Assessment:

- Continuous assessment
- Final exam

#### > Teaching methods:

- |  |    |       |                                     |
|--|----|-------|-------------------------------------|
| <input checked="" type="checkbox"/> Lecture course | 6  | hours | <input type="checkbox"/> Case study |
| <input type="checkbox"/> Tutorial course           |    | hours | <input type="checkbox"/> Project    |
| <input checked="" type="checkbox"/> Practical work | 18 | hours |                                     |

## COURSE DESCRIPTION

Computer Networks :

- 1 . Introduction to computer network and OSI Model
2. Ethernet, ARP, TCP/IP Protocols
3. Internet organization
4. How to make a Local ARea Network with Linux and Windows
5. Sever configuration : DHCP, DNS, with Linux
6. Socket API, how to program with internet -

## OBJECTIVES

Presentation of the basics of computer network. - OSI model. Howto Ethernet, and TCP/IP.

## PREREQUISITES

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## SELECTIVE BIBLIOGRAPHY

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Internet and Computer Network, Campus Press, D. E. Comer - CISCO website, : <http://www.cisco.com> -