SUMMARY

In the lectures you will learn and understand the main ideas that underlie the way communication networks are built and run. In the labs you will exercise practical configurations.

CONTENT


KEYWORDS

TCP/IP
Computer Networks

LEARNING PREREQUISITES

Required courses
A first programming course

LEARNING OUTCOMES

By the end of the course, the student must be able to:

• Run and configure networks
• Understand the main ideas that underlie the Internet
• Write simple communicating programs
• Use communication primitives for internet and industrial applications.

TRANSVERSAL SKILLS

• Access and evaluate appropriate sources of information.
• Continue to work through difficulties or initial failure to find optimal solutions.

TEACHING METHODS
Lectures with questionnaires.
Online quizzes.
Labs on student's computer and if required and if possible, in the Internet Engineering Workshop

**Expected student activities**
- Participate in lectures
- Participate in online quizzes
- Make lab assignments (in the rule, every other week)

**Assessment methods**
- Theory grade = final exam
- Practice grade = average of labs
- Final grade = mean of theory grade (50%) and practice grade (50%).
  The research exercise may add a bonus of at most 0.5 points in 1-6 scale to the practice grade.

**Resources**

**Bibliography**

**Ressources en bibliothèque**
- Computer Networking / Bonaventure

**Notes/Handbook**
- Slides are on moodle

**Moodle Link**
- https://go.epfl.ch/COM-407