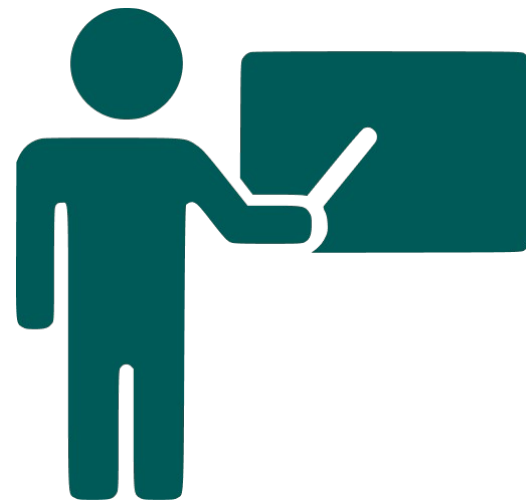# Introduction to the course

ceedcv

Who Am I?

- Name: Francisco Lifante Rivera

- Email: f.lifanterivera@edu.gva.es

- Virtual individual class (TI):
    - Monday: 11:10 – 13:55
    - Tuesday: 15:05 – 16:00 & 16:55 – 19:05
    - Wednesday: 16:55 – 19:05
    - Thursday: 11:10 – 13:00

Why this course?

- You are programmers, you don't need to build computers

- You don't need to know how the hardware works

- Or do you?

- You will be probably using "the cloud" for deploying your applications

Why this course?

What will yo be able to do?

- Know about the computer architecture and components

- Manage a Linux machine

- Configure a computer network

- Write simple scripts

What are we going to learn?

- Hardware Components

- Operating systems

- File and applications management

- Virtual Machines

- Network architecture

- Shell scripting

Course content

Unit	Title	Term
1	Information representation	3
2	Computer systems architecture and components	1
3	Operating systems: functions and characteristics	1
4	Installation of operating systems on virtual machines	1
5	Introduction to Linux.	1
6	Linux: file management	2
7	Linux: applications and services management	2
8	Linux: resource protection	2
9	Network architecture and components	3
10	Linux: networking	2
11	Docker	3
12	Linux: network and protocols	1
13	Introduction to shell scripting	2
14	General purpose software and Windows	2

English language

- The English module will be taught together with this module.

- The two modules will have the same grade

- If you have already completed the English module, you will only be assessed for IS

- Two kinds of evaluations to choose from:

  – Submitting English tasks

  – Submitting regular tasks in English and having an interview with the teacher

How a typical week will look

- **Each week:**
  - Course materials (videos, texts, links…)
  - Formative tasks
  - English tasks (or not)
- **Each term:**
  - Assessable activities
  - Exam

Mentorship

- Collective mentorship (weekly)

- Individual mentorship (on request)

- Forums

- Email

How to pass the module

- Two types of evaluation
  - Continuous evaluation
  - Final examination
    - Ordinary
    - Extraordinary

How to pass the module

- Continuous evaluation

  - Final Mark = 1ª Evaluation * 0.5 + 2ª Evaluation * 0.5

  - Evaluation = Exam * 0,5 + Valuable activity * 0,3 + English language * 0,2

The final grade and the evaluation grade will be between 0 and 10 truncated.

The minimum grade in the exam must be 4 out of 10 in order to pass the evaluation.

How to pass the module

- Ordinary evaluation

    – If you have an approved evaluation. You should only take an exam of the evaluation that you have not passed

    – If you have not passed any evaluation, you will have to take an exam for the entire course

- Extraordinary evaluation

    – Entire course

Questions

Review of week 1

- Contents:
  - Documents
  - Exercises
  - Videos