UE Programming project (OS)

Level
Baccalaureate +4

ECTS
3 credits

Component
UFR IM2AG (informatique, mathématiques et mathématiques appliquées)

Semester
Automne

› **Teaching language(s):** English

› **Teaching method:** In person

› **Teaching type:** Personal and professional project

› **Open to exchange students:** No

› **Code d'export Apogée:** GBX7MO08

› **Personal working time for the student:** 140

Presentation

Description

This project shows the internals of an operating system. We use an emulated operating system: NachOS. The aim is to put into practice the theoretical knowledge obtained during the OS course. In NachOS the students will have the opportunity to program the thread management system, the memory management system, the file system, as well as the network protocols (these represent different stages of the project). NachOS comes as a fully functioning yet very simple OS. Students need to first understand the software and then are invited to incrementally program additional OS treatments. The more time you spend on it, the more fun it is!

Period : Semester 7

Useful info

Contacts

Program director

Vincent Danjean

✉ vincent.danjean@grenoble-inp.fr

Program director

Vania Marangozova

✉ vania.marangozova@univ-grenoble-alpes.fr

Place

› Grenoble

Campus

› Grenoble - University campus