



Security

Course level: Master M1

Track(s): CPS2, DSC

ECTS Credits: 3

Course instructors: Ph. Jaillon

Education period: 1st

Language of instruction: English

Expected prior-knowledge: Network

Aim and learning outcomes: This course is an introduction to computer security. The objective is to be able to identify when security (confidentiality, availability and integrity) is required and to be able to choose and implement right solution.

Keywords: security, risk, network, cryptography

Syllabus:

- Information system security
- IP networks security
- Introduction to cryptography

Organisation and timetable: Lectures (20h) and lab sessions (4h).

Form(s) of Assessment: written exam (2h, coefficient 2), practical work/project (coefficient 1) - Resit: written exam (2h)

Literature and study materials:

- Practical UNIX & Internet Security (2nd edition)
Simson Garfinkel & Gene Spafford - O'Reilly & Associates

Additional information/Contacts:

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