



## Security

**Course level:** Master M1

**Track(s):** CPS2, DSC

**ECTS Credits:** 3

**Course instructors:** Ph. Jaillon

**Education period:** 1<sup>st</sup>

**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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