

# Computer Security (INFO-F-405)

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# Security

Security = need

Cryptography = tools

Analysis in terms of:

- prevention, detection, reaction
- confidentiality, integrity, availability

# When securing an infrastructure

- *What must be secured?*
- *Which levels of the system have to be secured?*
- *Evaluate of the cost of the security*
- *Keep it simple*
- *Avoid blackboxes*
- *Write clear policies*
- *Education*

# Examples of risks

- Wiretapping
- Tempest

# Cryptography

- Cryptology =
  - cryptography
  - cryptanalysis