2IMS25: Principles of data protection

Nicola Zannone
What is this course about?

- Data Protection & Privacy
- Access Control
- Policy Languages, Models, and Standards
Course Objectives

- understand the relevance of data protection
- a detailed understanding of the most important access control models
- knowledge of the well-established privacy principles
- ability to specify access control and privacy policies
- ability to evaluate access control and privacy policies
Topics covered

- Access Control
- Distributed Trust Management
- Usage Control
- Privacy-aware Access Control
- eXtensible Access Control Markup Language (XACML)
- A taste of research
Organizational matters

- Lecturers:
  - Dr. Nicola Zannone (n.zannone@tue.nl)
  - Prof. Sandro Etalle (s.etalle@tue.nl)
- Prior knowledge: 2IC60 - Computer networks and security (recommended)
- 5 ECTS
- Course information
- Lectures
  - Recordings
- Assessment
  - written exam
Lectures

- Lectures
  - videocollege
  - https://videocollege.tue.nl/Mediasite/Showcase/e67b8e0cc0b42b5b737321255bb30cf44/Channel/1cb316e0873a43ec91b53cde2ae64f5e4d

- Online Q&A sessions (CANVAS Conferences)
  - Tuesday from 10:45 till 12:30
  - Thursday from 13:30 till 15:30
Seminal papers

- Mandatory
- Suggested

http://security1.win.tue.nl/~zannone/teaching/dtm.html

**Note:** some papers may be accessible only within the TU/e network

Slides


**Note:** Slides do not replace the papers.
Written exam

- Closed-book exam
- 3 hours
- Open questions and exercises on ALL topics discussed during the lectures and on mandatory papers
- Old exams (with some solutions) on the course webpage.

Date: 30 October 2020 13:30-16:30
Place: TBD

Date: 22 January 2020 18:00-21:00
Place: TBD