INSA
INSTITUT NATIONAL
DES SCIENCES
APPLIQUÉES
TOULOUSE

Automatic control

ECTS
4 crédits

Hourly volume

Introducing

Objectives

For GM students, this course is a practical extension of the continuous marking methods seen in the previous year.
Optional part for AE: Understand the basic principles and constraints of hardware in the loop (HIL) simulations.

All students follow the end of the UF which deals with numerical control techniques and methods.

The student will be expected to be able to:
- Model a discrete system or discretize a continuous system.
- Give the performance of a discrete system.
- Synthesize a discrete control following a specification (performance) and implement it.

Necessary prerequisites

- AE-SE :
Feedback systems (I2MAAU11)
Control and computer architecture (I3MAAU11)
Control of Linear Time Invariant Systems (I3MAAU21)

- GM-IS :
Dynamic Systems (I3ICDM11)

Practical info

Location(s)

◉ Toulouse

Non-contractual information

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