



## AUTONOMIE ECS

## ACADEMIC SUPPORT ECS

**Lecturers:** Eric BLANCO, Arnaud BREARD

| Lecturers : 0.0 | TC : 4 | PW : 0.0 | Autonomy : 14 | Study : 0.0 | Project : 0.0 | Language : FR

### Objectives

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Acquire additional knowledge in electrical energy courses and automatic linear processes by working autonomously around the use of software applications (Matlab or dedicated).

**Keywords :** Automatic, Electrical Engineering

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### Programme

Theme 1: linear Automatic, analysis of a physical device, modeling, synthesis of regulators  
Theme 2: Electrical Engineering, magnetostatic, power electronics

### Learning outcomes

- Being able to analyze a complex problem
- To be able to acquire specific knowledge in order to solve a problem.
- To implement the methods seen in the course.
- Analyze simulation results and make sense of them.

### Independent study

**Objectifs :** To understand and implement yourself all approaches seen during teaching

**Méthodes :** A 2h classroom with teacher is scheduled so as to start properly the study.  
Then all the work is done outside any scheduled classroom.  
At the end of the semester a 20minute-individual discussion leads to an evaluation.

### Core texts

, Editeur ouvrage 2  
Auteur ouvrage 3

### Assessment

Every student is evaluated during a 20minute-individual talking. According to random selection only one thematic (Automatic or Electrical Engineering) is considered.