



AUTONOMIE ECS

ACADEMIC SUPPORT ECS

Lecturers: Arnaud BREARD, Emmanuel BOUTLEUX

| Lecturers : 0.0 | TC : 2 | PW : 0.0 | Autonomy : 16 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

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

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

Auteur ouvrage 1, *TITRE OUVRAGE 1*, Editeur ouvrage 1, 2010
2011 *TITRE OUVRAGE 2*, Editeur ouvrage 2, 2012
Auteur ouvrage 3 *TITRE OUVRAGE 3*, Editeur ouvrage 3, 2013

Assessment

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