Power systems and instrumentation

ECTS
7 credits

Component
INSTITUT NATIONAL DES SCIENCES APPLIQUEES TOULOUSE

Number of hours
85,5h

Presentation

Objectives

To be able to identify standard power transmission architectures. To be able to generate

or to analyse architectures of power systems

To acquire a global knowledge in the technology for power transmission (mechanical,

hydraulic, electrical and thermal). To able to characterise them with respect to

performance, advantages and drawbacks.

Acquire knowledge in measurement and computer-controlled data acquisition:

-selection and design of the components involved in an acquisition circuit

- use a graphical programming language dedicated to data acquisition (Labview).

Pre-requisites

1D multiphysics

Electro-kinetics. Algorithms and textual language programming (C, ADA)

Useful info

Place

Toulouse