Instrumentation advanced 2

ECTS
4 crédits

Hourly volume
58h

Introducing

Description

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):
Real Time : Real time concept, scheduling, rules to develop a real time application, determinism and jitter concepts
Can Bus : General CAN concept, from concept to protocol
Network : Interest of local network for tests and measurements applications.

The student will be able to:
Real Time : Develop a real time application running on National Instruments Compact RIO
Can Bus : Manage communication between two CAN nodes
Network : Manage network technologies to realise a simple project

Necessary prerequisites

General computing
LabVIEW programming
Labwindows/CVI programming

Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

Practical info

Location(s)

Toulouse

Non-contractual information