

Control Engineering

Automated production systems

IDENTIFICATION

CODE : GI-3-S1-EC-APS
ECTS : 3.0

HOURS

Lectures : 2.0 h
Seminars : 42.0 h
Laboratory : 4.0 h
Project : 0.0 h
Teacher-student
contact : 48.0 h
Personal work : 20.0 h
Total : 68.0 h

ASSESSMENT METHOD

IE (interrogation écrite)
EE (évaluation écrite: poster,
rapports.)
EO (évaluation orale) Oral

TEACHING AIDS

TEACHING LANGUAGE

French

CONTACT

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AIMS

This course belongs to teaching unit Production management GI-3-S1-UE-PIPR and contributes to the following skills :

- Security concepts
- Management of automated systems
- Choice of equipment and machines

CONTENT

ENVIRONMENT, COMMAND CHAINS AND REALIZATION -
Hydraulics, actuators, modulators
Measuring chains
Electric actuators
Real case study, choice of actuators and sensors (guiding principles)

BIBLIOGRAPHY

Catalogues et documents constructeur
Systèmes automatiques tome 1 et 2, J.-P. Hautier et J.-P. Caron Ellipses