

Course guide

220606 - 220606 - Robotized Processes

Last modified: 11/04/2025

Unit in charge: Terrassa School of Industrial, Aerospace and Audiovisual Engineering
Teaching unit: 707 - ESAII - Department of Automatic Control.

Degree: MASTER'S DEGREE IN AUTOMATIC SYSTEMS AND INDUSTRIAL ELECTRONICS (Syllabus 2012). (Optional subject).

Academic year: 2025 **ECTS Credits:** 5.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: Rita Maria Planas Dangla

Others: Laureano Tinoco

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Transversal:

5. EFFECTIVE USE OF INFORMATION RESOURCES. Managing the acquisition, structure, analysis and display of information from the own field of specialization. Taking a critical stance with regard to the results obtained.

TEACHING METHODOLOGY

.

LEARNING OBJECTIVES OF THE SUBJECT

.

STUDY LOAD

Type	Hours	Percentage
Hours large group	31,0	24.80
Self study	80,0	64.00
Hours small group	14,0	11.20

Total learning time: 125 h

CONTENTS

(ENG) Automatitzar i Robotitzar tasques?

Full-or-part-time: 5h

Theory classes: 2h

Self study : 3h

(ENG) Elements d'un sistema robotitzat

Full-or-part-time: 32h

Theory classes: 10h

Laboratory classes: 2h

Self study : 20h

(ENG) Processos Robotitzats: criteris per a la seva implantació.

Full-or-part-time: 45h

Theory classes: 7h

Practical classes: 8h

Self study : 30h

(ENG) Definició d'especificacions

Full-or-part-time: 16h

Theory classes: 6h

Self study : 10h

(ENG) Robots i Riscos

Full-or-part-time: 9h

Theory classes: 3h

Self study : 6h

(ENG) Eines per a la validació dels processos robotitzats

Full-or-part-time: 16h

Theory classes: 2h

Practical classes: 4h

Self study : 10h

(ENG) Tendències futures en la robotització de processos

Full-or-part-time: 2h

Theory classes: 1h

Self study : 1h

ACTIVITIES

(ENG) CLASSES TEORIA

Full-or-part-time: 58h

Self study: 36h

Theory classes: 22h



(ENG) EXAMEN FINAL

Full-or-part-time: 13h

Self study: 10h

Theory classes: 3h

(ENG) PRÀCTIQUES

Full-or-part-time: 34h

Self study: 20h

Laboratory classes: 14h

(ENG) TREBALL EN GRUP

Full-or-part-time: 20h

Self study: 14h

Theory classes: 6h

GRADING SYSTEM

.

EXAMINATION RULES.

.