

Academic Year: (2019 / 2020)

Review date: 15-05-2018

Department assigned to the subject: Department of Systems Engineering and Automation

Coordinating teacher: BALAGUER BERNALDO DE QUIROS, CARLOS

Type: Electives ECTS Credits : 3.0

Year : 1 Semester : 2

DESCRIPTION OF CONTENTS: PROGRAMME

1. Introduction.
2. Typology of applications: civil work and building.
3. Classification of robots in construction.
4. Applications in civil works
 - 4.1 Robots for earthworks
 - 4.2 Robots for construction of carts
 - 4.3 Infrastructure maintenance robots
 - 4.4 Robots for marine and underwater works
5. Building applications
 - 5.1 Construction of structures
 - 5.2 Interior finish
 - 5.3 Cleaning and maintenance of facades
6. ICTs in construction
7. Sensory systems and actuators

% end-of-term-examination: 20

% of continuous assessment (assignments, laboratory, practicals...): 80