

Academic Year: ( 2024 / 2025 )

Review date: 14-02-2022

Department assigned to the subject: Systems Engineering and Automation Department

Coordinating teacher:

Type: Compulsory ECTS Credits : 3.0

Year : 4 Semester : 2

**DESCRIPTION OF CONTENTS: PROGRAMME**

1. Foundations of Social Robotics: What is a social robot?
2. Main features of Social robots.
3. Hardware components of Social Robots.
4. Software architectures for Social Robotics.
5. Design principles in Social Robotics: Understanding the role of the users.
6. Social skills for Human-Robot Interactions through a robotic platform.
7. Kinds of Social Robots.
8. Affective Computing.
9. Applications of Social Robotics.
10. Impact on privacy and autonomy of users

**LEARNING ACTIVITIES AND METHODOLOGY****THEORETICAL PRACTICAL CLASSES.**

Knowledge and concepts students must acquire. Receive course notes and will have basic reference texts. Students partake in exercises to resolve practical problems.

**TUTORING SESSIONS.**

Individualized attendance (individual tutoring) or in-group (group tutoring) for students with a teacher. Subjects with 6 credits have 4 hours of tutoring/ 100% on- site attendance.

**STUDENT INDIVIDUAL WORK OR GROUP WORK.**

Subjects with 6 credits have 98 hours/0% on-site.

**WORKSHOPS AND LABORATORY SESSIONS.**

Subjects with 3 credits have 4 hours with 100% on-site instruction. Subjects with 6 credits have 8 hours/100% on-site instruction.

**ASSESSMENT SYSTEM**

<b>% end-of-term-examination:</b>	60
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	40

**FINAL EXAM.**

Global assessment of knowledge, skills and capacities acquired throughout the course. The percentage of the evaluation varies for each subject between 60% and 0%.

**CONTINUOUS EVALUATION.**

Assesses papers, projects, class presentations, debates, exercises, internships and workshops throughout the course. The percentage of the evaluation varies for each subject between 40% and 100% of the final grade.

