

Academic Year: ( 2024 / 2025 )

Review date: 03-06-2024

Department assigned to the subject: null

Coordinating teacher:

Type: Compulsory ECTS Credits : 6.0

Year : 1 Semester : 1

## SKILLS AND LEARNING OUTCOMES

K3-To have the scientific and technical knowledge necessary to face the technological and telecommunications challenges related to security, and to know the capabilities provided by new technologies, adapting to their evolution and application in the performance of their duties.

K7-Know the main procedures and technologies applied to defence and the main trends in their development.

K8-Have a broad knowledge of the procedures applied to public security and the missions of the Guardia Civil both in the national and international context.

S1-Carry out, in accordance with their professional duties, administrative, logistical and teaching functions, mainly through managerial and administrative actions, in national and international security structures.

S2-Solve problems, analyse and synthesise information to evaluate and make judgements with agility, initiative and creativity, identifying opportunities for improvement and adapting to complex situations related to defence and public security.

S5-Be proficient in the application of public security procedures and technologies.

C1-Demonstrate the ability to exercise leadership and assume command, adapting to each situation and paying permanent attention to safety and compliance with the rules and measures established to guarantee the integrity of personnel, installations, equipment, systems, material and documentation, in accordance with the regulations in force.

## DESCRIPTION OF CONTENTS: PROGRAMME

Fundamentals of electricity and electromagnetism. Electrical and electronic technology (devices, circuits and applications). Fundamentals of energy and materials technology. Sustainable energy requirements of installations

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