Industrial applications of plasma technology

Academic Year: (2023 / 2024) **Review date: 16-03-2021**

Department assigned to the subject: Physics Department

Coordinating teacher:

Type: Electives ECTS Credits : 3.0

Year : 2 Semester : 1

DESCRIPTION OF CONTENTS: PROGRAMME

All courses are expressed in the mathematical language typical of physics: differential calculus in one and several variables, complex numbers, algebra and statistics. They also include basic and advanced concepts of modern Physics (Mechanics, Thermodynamics, Electromagnetism and Quantum Mechanics), Engineering and Technology.

Laboratory and industrial plasmas; material synthesis; inductively coupled plasmas; surface treatment; plasmas produced by surface waves; other industrial applications of plasmas; transfer of technology between laboratories and industry.