

Academic Year: ( 2022 / 2023 )

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).

mathematical models; solar wind; Earth magnetosphere; dusty plasmas; star formation; MHD turbulence; astronomical engines; accretion disks; astrophysical jets.