

## Physic II

Academic Year: ( 2022 / 2023 )

Review date: 14-02-2022

Department assigned to the subject: Department of Physics

Coordinating teacher:

Type: Basic Core ECTS Credits : 6.0

Year : 1 Semester : 2

Branch of knowledge: Engineering and Architecture

## DESCRIPTION OF CONTENTS: PROGRAMME

1. Coulomb's Law
2. Gauss's Law
3. Electric potential
4. Electric field in materials: Conductors.
5. Electric field in materials: Dielectrics.
6. Electric Current
7. The Magnetic Field. Magnetic forces.
8. Magnetic field sources
- 9.- Electromagnetic Induction. Maxwell's Equations.

## 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

## 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.

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