Learning objectives of the subject
The first objective of this subject is to equip the student with the basic knowledge that allow him to face situations of malfuncionamiento of the equipment, systems of communication, etc. in industrial surroundings strongly contaminated electromagnetically. As designer occurs the formation him necessary to go ahead to these problems and to make robust and safe designs. The second objective would go directed to know the legislation as far as fulfillment the European directives of Electromagnetic Compatibility of products and the possibilities of integrating this quality control in the production chain. The pursuit could be nonACTUAL WITH adaptable POSITIONS OF A GUARDIAN to the schedules of the students, of course, of the laboratory sessions that are not obligatory.

Contents

Tema 1. Introduction to the Subject
Tema 2. Interferences by Common Impedance. Compatible design of Printed circuits or wirings.
Tema 3. Interferences Lead in the Network of Low Tension.
Tema 4. Interferences in lines of communication.
Tema 5. Filters by Lead interferences.

Description:

Objectives
To give necessary the practical cover to the theory subjects. To introduce concepts that are more listeners when they are seen actually.

Contents

Practical 1. Introduction to the Electromagnetic Interferences
Practical 3. Connections and Interference. Cable screening.
Practical 5. Design, Simulation, Construction and Measurement of Filtro of BT.

Qualification system

Note of laboratory (30%)
Exercises or small works of each subject (70%)

Bibliography