

Academic Year: (2019 / 2020)

Review date: 26-03-2019

Department assigned to the subject: Materials Science and Engineering and Chemical Engineering Department

Coordinating teacher: AZNAR JIMENEZ, ANTONIO

Type: Compulsory ECTS Credits : 3.0

Year : 1 Semester : 1

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

It is recommended to possess basic knowledge on prevention of occupational risks.

OBJECTIVES

- * Understand the meaning and the need to ensure hygienic working conditions.
- * Know the fundamentals of the health labour and the research of diseases.
- * Acquire the General knowledge on the different systems of measurement and control of the various exhibitions.
- * Have the ability to evaluate processes and work methods, from the point of view of possible generation and issuance of agents and other factors potentially harmful in order to eliminate exposure or reduce it to acceptable levels.
- * Be able to define the dangerousness and possible systems of protection against the risk of contamination by chemical agents. Know the specific measuring systems.
- * Be able to define the dangerousness and possible systems of protection against the risk of contamination by physical agents. Know the specific measuring systems.
- * Be able to define the dangerousness and possible systems of protection against the risk of contamination by biological agents. Know the specific measuring systems.
- * Identify the agents and factors that may have an impact on the environment and understand the need of integrating the practice of occupational health with protection of the environment.

DESCRIPTION OF CONTENTS: PROGRAMME

1. health employment: concepts and objectives Basic.
2. physical agents: lighting. Identification, evaluation and control of the risks.
3. agents physical: environment Thermo hygrometric. Identification evaluation and control of the risk.
4. agents physical: noise, concepts Basic, risks and damage to the health, identification, regulations of application, assessment of the evaluation of the risk, equipment of measurement.
5. agents physical: vibrations, concepts Basic, risks and damage to the health, identification, regulations of application, assessment of the evaluation of the risk, teams of measurement.
6. agents physical: radiation, concepts Basic, risks and damage to the health, identification, regulations of application, assessment of the evaluation of the risk, equipment of measurement.
7. agents chemical: classification, pathways of entry, concepts Basic, risks and damage to the health, identification, normative of application, assessment of the evaluation of the risk, equipment of measurement.
8. REACH: principles basic
9. agents biological: concepts Basic, risks and damage to the health, identification, rules of application, assessment of the evaluation of the risk.

LEARNING ACTIVITIES AND METHODOLOGY

* Master classes in which the fundamental conceptual content that the student must acquire are developed. Therefore in addition to advise the necessary manuals and a specific bibliography for the specific subjects to be provided at the beginning of the semester, will be provided in advance the student materials prepared by the teacher to the deeper issues and a better follow-up of the explanations. These materials will serve to introduce the debate and discussion topics that have more interest for both teacher and the students themselves.

ASSESSMENT SYSTEM

Evaluation of continuous academic will make up 50% of the note. It will be made in the following manner: Of case studies, workshops, fieldwork and seminars realization will make up 40%. Is will assess the skill

of the student in the management of the documentation, its capacity of resolution and of application of answers fast, correct and effective to them situations more or less unforeseen that is you present and its ability in the search of solutions before so-called without regular.

* Participation in the debates, seminars or in theoretical as well as the contributions due to prior and individual work or group will make up 10% of the note

* The final exam which will be a test on specific issues will be 50% of the note. This test type-test will not be less than 75 questions that will increase depending on the materials. The student that has not given enough practice to have them passed by course must perform a practical exam that will be globally evaluated with final examination type test note. This will help verify that the student has acquired established competencies.

% end-of-term-examination:	50
% of continuous assessment (assignments, laboratory, practicals...):	50