

# Industrial Management

**Calendar:** 6th semester

**Contact Hours:** TP: 45,0; OT:15,0

## **Intended learning outcomes of the curricular unit:**

The competence acquisition by the student can be measured on the basis of the following objectives: To use effectively basic instruments for industrial management; To apply the basic concepts of business accountability and finance and to comprehend the different accounting documents and instruments; To be able to recognize the importance of business marketing, demonstrate its application in a variety of context; To be able to apply management concepts to production activity, as well as to the management of materials, human and financial resources; To use effectively instruments of industrial management.

## **Syllabus:**

1. General aspects of Industrial Management. 2. The organizations in the enterprise context. 3. Marketing. 4. Business Accountancy and Finance. 5. Production Activity Management. 6. Supply Chain Management. 7. Human Resource Management. 8. Support instruments for Industrial Management.

## **Demonstration of the syllabus coherence with the curricular unit's intended learning outcomes.**

In this curricular unit the student will acquire industrial management basic knowledge being essential for a biotechnological course, since the contents is expected to be focus in technology based industrial actives.

Consequently, the curricular unit is structured in 8 chapters with the aim of lecturing the concepts of industrial management concepts. it is intended that students learn the different broad themes of this area. Thus, each chapter will be the focus of a particular subject such as marketing, business accountancy and finance, production activity management, supply chain management, human resource management, etc., given to the students a transversal and wide learning base adequate for a professional future activity.

## **Teaching methodologies (including evaluation):**

Lecture or applied theory classes will be administered, using a lecture-based approach, using for that purpose slide or overhead projector presentations. The classes will be planning with the aim to stimulate interest, reasoning and critical spirit of the students. In the applied theory classes the students will autonomous resolve the exercises. Weekly, there will be tutorials periods for discussion, doubts explanation and analysis of the problem resolutions made by the students.

Evaluation: Final examination with a minimum of 9.5 values (0 to 20 values) and 100% weight

## **Demonstration of the teaching methodologies coherence with the curricular unit's intended learning outcomes.**

In this curricular unit the student will acquire industrial management basic knowledge being essential for a biotechnological course, since the contents is expected to be focus in technology based industrial actives, For these basic contents to be correctly acquired by the students, it must be teaches in a solid and consistent approach. For that purpose it is necessary that basic concepts, be properly explained. Consequently, it is essential that in theoretical classes' the fundamental concepts are exposed.

The acquired knowledge can be consolidate by solving relevant amount of practical problems, either by the teacher or by the student, which is a very important reason for the presence of significant number of practical classes.