Methods for quality control

Academic Year: (2022 / 2023) **Review date: 11-05-2022**

Department assigned to the subject: Statistics Department

Coordinating teacher: GRANE CHAVEZ, AUREA

Type: Electives ECTS Credits : 6.0

Year : 4 Semester :

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Quality Control

OBJECTIVES

1. To describe the fundamental of the methods of Quality control and the basic tools for the analysis of processes;
2. ISO 9000 and ISO 14000. The student is going to learn how to get the ISO certification for a company

DESCRIPTION OF CONTENTS: PROGRAMME

1. Quality management systems in the company.
2. Process management in the Company
3. Quality Models
   3.1 Model ISO 9000
   3.2 EFQM
5. Economics of Quality. Quality Costs
6. Quality Tools
7. Process Quality Improvement
8. Integrated Management System: Quality, Environmental , and Safety and Health at Work

LEARNING ACTIVITIES AND METHODOLOGY

There will be no lectures (Extinction of the curriculum). Material available at Aula Global.

ASSESSMENT SYSTEM

Students must write a project on the implementation of ISO standards to a company throughout the course. The final exam counts for 40%.
All parts must have a score greather than 5 to pass the course.

% end-of-term-examination:	40
% of continuous assessment (assigments, laboratory, practicals…):	60