

63002 - Bibliographic resources and its application to quality assurance of analytical methods

Información del Plan Docente

Academic Year	2016/17
Academic center	105 - Facultad de Veterinaria
Degree	566 - Master's in Food Quality, Safety and Technology
ECTS	6.0
Course	1
Period	First semester
Subject Type	Compulsory
Module	---

1. Basic info

1.1. Recommendations to take this course

1.2. Activities and key dates for the course

2. Initiation

2.1. Learning outcomes that define the subject

2.2. Introduction

3. Context and competences

3.1. Goals

3.2. Context and meaning of the subject in the degree

3.3. Competences

3.4. Importance of learning outcomes

4. Evaluation

5. Activities and resources

5.1. General methodological presentation

In this subject participatory lectures are combined with theoretical-practical and resolution of case studies sessions in computer classroom.

Audiovisual material (PowerPoint presentation) is used to show the concepts presented more clear, and the practical sessions are combined with theoretical sessions in order to consolidate and apply the concepts. The students will have documentation provided by teachers and web pages to find information about acceptance criteria, reference materials

63002 - Bibliographic resources and its application to quality assurance of analytical methods

and/or calls for intercomparison exercises. All students will be under the direct supervision of the teacher.

The student must present a written and oral work on validation of an analytical method. It will be made taking into account the information sources. The development of the written work and oral presentation shows the degree of learning of the student.

5.2.Learning activities

Theoretical and practical presentation, as well as case resolution activities and discussion joint activities will be done.

With the various sources of information, different methodologies will be selected to develop an analytical protocol. The students will study and discuss validation parameters based on scientific articles provided by the teacher.

Each student will perform a protocol of validation for a particular analytical methodology, using the scientific and legal information sources learned. This work will be carried out under the direct supervision of the teacher.

Students will prepare and submit written reports on the resolution of case studies. They shall also expose the validation work, which will be discussed with other students and teachers.

5.3.Program

1: Theoretical sessions. 22 hours of face-to-face classes

- Introduction to the subject.
- Importance of the reliability of the analytical results.
- Scientific and legal information sources.
- Good laboratory practices.
- Validation parameters. Acceptance criteria established by international institutions.
- Reference materials and interlaboratory exercises

2: Practical sessions. 38 hours of face classes and 90 non-contact hours (study, performance of written reports on the resolution of case studies and the validation work).

63002 - Bibliographic resources and its application to quality assurance of analytical methods

- The consultation of different sources of information for the performance of the written work and oral presentation.
- Learning a bibliography manager web-based program (Refworks).
- Working standard protocols in laboratory
- Resolution of case studies in computer classroom
- Presentation and defense of the work

5.4.Planning and scheduling

Dates and key milestones of the subject are described in detail on the website of the Veterinary Medicine Faculty (<http://veterinaria.unizar.es>).

5.5.Bibliography and recommended resources