68710 - Food risk analysis and evaluation systems

Información del Plan Docente

Academic Year	2016/17
Academic center	104 - Facultad de Medicina
Degree	459 - Master's in Public Health
ECTS	2.0
Course	1
Period	Second semester
Subject Type	Optional
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

The learning process that is designed for this subject is based on:

- **Theoretical sessions** where the student presents the fundamental concepts of risk analysis and methodology for evaluation of biological and chemical hazards associated with food consumption arises. The student databases, tools and sources of information for the development of models of food risk assessment are also provided.
- **Practical session** s in computer classroom, where students apply the theoretical knowledge and search for information to solve cases and problems under the direct supervision of teachers, and the student presents a model of evaluation of a food risk biotic and abiotic origin in real situations.
- **Sessions of preparing a model food risk assessment** in which students apply risk assessment methodologies for

the preparation of a specific model of food risk assessment resolving doubts with direct teacher. This session is done autonomously "on line" system or by direct tutoring or student group with the teacher.
- Finally, in the presentation and discussion sessions, each student group presents the development of a specific model of dietary risk assessment applied to different real scenarios to facilitate decision-making in the management of food risks. In these sessions the participation of students will be promoted,
urging them to make a critical interpretation of the findings derived from each exercise.

All activities and teaching materials will be unloaded and ready for student use in the digital teaching platform at the University of Zaragoza in which is located the Master in Public Health
Learning activities planned (program included)

5.2.Learning activities

1: Theoretical sessions . 5 hours (1 hour sessions).

1. Introduction to Risk Analysis. Current status of risk assessment systems (2 hours)
2. Assessment Methodologies biological risks associated with food consumption. (1 hour)
3. Assessment Methodologies chemical hazards associated with food consumption. (1 hour)
4. Study of the risk assessment of a food hazard (1 hour)

2: Practical sessions. 8.5 hours (2 sessions)

Brief description of contents: Troubleshooting and cases related to the risk assessment process:
1. Theoretical and practical presentation of a model risk assessment of biotic and abiotic risk.

2. Exercises identification and hazard characterization. Exercises estimation of exposure to hazards in food.
3: Sessions presentation and discussion of results. 4.5 hours (one session)

1. Each student group presents the exercise for a period of 30-45 minutes

2. Analysis and group discussion with other students and teachers, the results and conclusions of each risk assessment exercise.

5.3.Program

5.4.Planning and scheduling

5.5.Bibliography and recomended resources