68710 - Food risk analysis and evaluation systems

Información del Plan Docente

Academic Year	2017/18
Faculty / School	104 - Facultad de Medicina
Degree	459 - Master's in Public Health
ECTS	2.0
Year	1
Semester	Second semester
Subject Type	Optional
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as:

- **Theory sessions** where the student is presented the fundamental concepts of risk analysis and methodology for evaluation of biological and chemical hazards associated with food consumption arises. The student is provided with databases, tools and sources of information for the development of food risk assessment models.

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- **Practice sessions** in the computer classroom, where students apply the theoretical knowledge and search for information to solve cases and problems under the direct supervision of teachers. The student is presented an evaluation model of a food risk biotic and abiotic origin in real situations.
- **Preparation of a food risk assessment model,** session in which students apply risk assessment methodologies for the preparation of a specific assessment model of food risk. This session is done autonomously "on line" or in tutorials (individual or group) with the teacher.
- Finally, in the **presentation and discussion session**s, each student group presents the development of a specific assessment model of dietary risk 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.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials.

5.2.Learning tasks

The course includes the following learning tasks:

- **Theory sessions** (5 hours distributed in one-hour sessions). Contents: 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).
- **Practice sessions** (8.5 hours distributed in 2 sessions). Problem sets and cases related to the risk assessment process: 1. Theoretical and practical presentation of a risk assessment model of biotic and abiotic risk. 2. Exercises for identification and hazard characterization. Exercises fot estimation of exposure to hazards in food.
- **Presentation and discussion session** (a 4.5-hour session). Each student group presents the exercise for a period of 30-45 minutes. It is followed by an analysis and group discussion with other students and teachers, the results and conclusions of each risk assessment exercise.

5.3.Syllabus

5.4.Course planning and calendar

Further information concerning the timetable, classroom, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to http://medicina.unizar.es/horarios.

5.5.Bibliography and recommended resources