

27120 - Social and Legal Elements

Syllabus Information

Academic year: 2024/25

Subject: 27120 - Social and Legal Elements

Faculty / School: 100 - Facultad de Ciencias

Degree: 446 - Degree in Biotechnology

ECTS: 6.0

Year: 3

Semester: Second semester

Subject type: Compulsory

Module:

1. General information

The general objective is to broaden knowledge on specific topics in order to identify and deepen social and legal issues in scientific research and biotechnological applications

Students are expected to learn about the activities of national and international organizations involved in the management of quality, innovations and patents. This objective will be acquired through theoretical classes and seminars in which they will apply previous knowledge and acquire skills in scientific information search and critical analysis, writing and communication. These approaches and objectives are aligned with the Sustainable Development Goals (SDGs), Agenda 2030 of the United Nations (<https://www.un.org/sustainabledevelopment/es/>), so that the acquisition of the learning results of the subject will contribute to some extent to their achievement.

2. Learning results

1. Understanding of the social and legal aspects related to the different applications of Biotechnology, quality control and biotechnological experimentation and research.
2. Knowledge of national and foreign agencies involved in quality regulations, clinical research and patents.
3. Integration of results.
4. Assessment of the relevance of advances in the field. Search and analysis of specific information and transmission of aspects of the subject.
5. Explanation and adequate argumentation of the fundamentals of the various aspects that make up the subject
6. Presentation and exhibition of work done individually and in teams.

3. Syllabus

The program of the subject consists of:

- Theoretical classes:

1. Introduction, definitions and historical context. Best Practices (GLP). Biotechnology activities.
2. GLP, Cases and Parameters.
3. Biotechnology Laboratory. Validation.
4. Practical applications. Standard operating procedure.
5. Documents and data sheets.
6. Regulatory agencies and others.
7. Biomedicine, Biotechnology and Law.
8. Biotechnology I.
9. Biotechnology II.
10. Forensic Genetics I.
11. Forensic Genetics II.
12. Assisted reproduction.

- Case Resolution:

1. Validation in GLP context.
2. Scientific Dissemination.
3. Patents (online practice).

- Seminars on topics related to the legal aspects presented in the subject.

4. Academic activities

Theoretical classes. 4 ECTS. The basic theoretical knowledge of the subject is presented according to the program.

Practical classes. 2 ECTS. These activities will be used for the preparation of: I) Seminar: students will gather information on a topic of the program; and II) Resolutions of specific cases and patents. Documentation will be provided through Moodle. The teacher will supervise the student's individual work through tutoring sessions. The papers are presented and discussed in class.

5. Assessment system

The evaluation will consist of the following tests:

1) Performance of a written test: the specific competencies will be evaluated by means of written tests. It will be graded from 0 to 10 and will contribute 60% to the final grade.

2) Presentation and exhibition of papers. The works will deal with topics related to the subject, that each student will agree with the teacher. The teacher will supervise the student's personal work, guiding them in the search for information and in its evaluation. The work must be submitted in writing and subsequently presented and discussed in class. The submission of the work and its presentation to the class will be mandatory to pass the subject. They will be graded from 0 to 10 and will contribute 40% to the final grade. The assessment criteria are the following: coherence of the information, clarity in the presentation, degree of elaboration of the presentation, degree of internalization of the contents with their own suggestions, and degree of participation in the debate after the presentation of the work.

In addition to what has been previously described, students will have the possibility of being evaluated in a **global test** that will judge the achievement of the learning results previously mentioned

6. Sustainable Development Goals

- 3 - Good Health & Well-Being
- 12 - Responsible Production and Consumption
- 16 - Peace, Justice and Strong Institutions