

IDENTIFICATION DETAILS

Degree:	Biotechnology		
Field of Knowledge:	Science		
Faculty/School:	Experimental Science		
Course:	BEST PRACTICES IN R and D AND BUSINESS		
Type:	Optional	ECTS credits:	3
Year:	4	Code:	2046
Teaching period:	Seventh semester		
Area:	Company		
Module:	Social, Historic and Economic Aspects of Biotechnology		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	75		

SUBJECT DESCRIPTION

La sociedad confía en la Ciencia para encontrar soluciones a sus problemas y descubrir las herramientas y los caminos para mejorar la calidad de vida de los ciudadanos, desde este supuesto, la impulsa y la financia. Para mantener esta confianza, el ejercicio de la Ciencia debe ser responsable, ética y socialmente y su avance, del que la investigación es motor principal, debe desarrollarse dentro de la más estricta integridad. Durante la asignatura se abordaran diversas cuestiones éticas afectan a esta actividad I+D de forma directa. Por ello, existen instituciones intergubernamentales que se ocupan del binomio "ciencia-ética" como son el Consejo de Europa, la UNESCO, la Asociación Médica Mundial, o la Comisión Nacional Americana para la Protección de los Sujetos Humanos en Investigaciones éticas han desarrollado los grandes acuerdos colectivos para la práctica de la investigación biomédica y redactado normas o recomendaciones que abordan los dilemas éticos surgidos con los avances de la ciencia . La Declaración de Helsinki representa el documento básico que debe ser asumido por los investigadores en biomedicina.

Durante la asignatura se analizarán los diferentes sistemas de calidad que son de obligado cumplimiento en el sector de salud. Alcanzar este objetivo de calidad es responsabilidad de la dirección y requiere de la participación y del compromiso tanto del personal de distintos departamentos y niveles dentro de la compañía, como de los proveedores y distribuidores. Para conseguir este objetivo de calidad debe existir un Sistema de Calidad Farmacéutico diseñado de forma lógica y correctamente implantado. Los conceptos básicos de Gestión de Calidad, Normas aplicables y Gestión de Riesgos para la Calidad están interrelacionados y su importancia es fundamental en la producción y control de medicamentos y todos los productos sanitarios.

SKILLS

Basic Skills

Students must have demonstrated knowledge and understanding in an area of study that is founded on general secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

General Skills

To acquire firm theoretical, practical, technological and humanistic training needed to develop professional activity.

To be aware of the theoretical and practical foundations underpinning the conception of enterprise, its organisation, its operation, the obtainment of returns and organisational structure.

To understand the ethical implications of professional and personal activity.

Capacity for teamwork and group management.

To have acquired the ability for analytical, synthetic, reflective, critical, theoretical and practical thought.

To develop capacity for and a commitment to learning and personal development.

To be familiar with the basic principles and theories of human and experimental sciences.

Specific skills

To be broadly familiar with the approach to and development of an R&D&i process.

To apply current legislation and regulations governing biotechnological processes and products.

To be able to apply the techniques and procedures used in quality management and to understand the significance of validation, certification and approval of biotechnological products and processes.

To adopt attitudes of leadership and social responsibility on both a personal and professional level.

Capacity for written and oral communication of the knowledge acquired.

DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
30 hours	45 hours