Teaching guide

IDENTIFICATION DETAILS

Degree:	Biotechnology
Field of Knowledge:	Science
Faculty/School:	Experimental Science
Course:	VIROLOGY II
Type:	Optional
ECTS credits:	3
Year:	4
Code:	2063
Teaching period:	Seventh semester
Area:	Molecular Biomedicine
Module:	Biochemistry and Molecular Biology
Teaching type:	Classroom-based
Language:	Spanish
Total number of student study hours:	75

SUBJECT DESCRIPTION

Esta asignatura pretende ser una continuación de Virología I, entendida desde el punto de vista del trabajo experimental en laboratorios de virología, aplicaciones biotecnológicas de los virus como herramientas tanto en investigación básica como en empresas biotecnológicas, desarrollo de vacunas y antivirales. Se intentará prestar particular atención al momento social en relación con el mundo de la virología.
De este modo, las clases se realizarán en formato de clase magistral, impartidas por expertos en el campo, lo que enriquecerá sustancialmente la experiencia del alumno.

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 be familiar with the applications of biotechnology in the healthcare, food, agrobiotechnological, environmental and chemical fields.

To understand the social, economic and environmental implications of professional activity.

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

To value sciences as a cultural fact.

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

To develop an ability to search for, take in, analyse, sum up and relate information.

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

To develop oral and written communication skills.

Specific skills

To define the characteristics, properties and methods for studying viruses.

To be familiar with the molecular mechanisms involved in viral infections and the pathologies produced.

To identify the basic mechanisms and processes of the various human pathologies.

To be able to approach a subject by means of rigorous, profound and comprehensive thought.

To be able to apply the theoretical knowledge acquired for solving problems and practical cases linked to the various subjects.

DISTRIBUTION OF WORK TIME

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