Universidad Francisco de Vitoria UFV Madrid

Teaching guide

IDENTIFICATION DETAILS

Degree:	Pharmacy
Field of Knowledge:	Science
Faculty/School:	Experimental Science
Course:	PHYSICAL CHEMISTRY
Type:	Compulsory
ECTS credits:	9
Year:	2
Code:	2520
Teaching period:	Third semester
Area:	Chemistry
Module:	Tutored Work Placement and End-of-Degree Project
Teaching type:	Classroom-based
Language:	Spanish
Total number of student study hours:	225

SUBJECT DESCRIPTION

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 develop hygienic and health analyses, particularly those relating to food and the environment.

To recognise one¿s limitations and the need to maintain and update professional skills, with particular emphasis on independent acquisition of new knowledge based on the scientific evidence available.

Cross Skills

To nurture an attitude of intellectual curiosity and a quest for truth in all areas of life.

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

To be able to assess knowledge acquired.

To be able to apply the theoretical knowledge learnt in the of solving problems and practical cases linked to the various subjects.

Specific skills

To estimate the risks linked to the use of chemical substances and laboratory procedures.

To be familiar with the physical and chemical characteristics of substances used to manufacture medication.

To be familiar with and understand the characteristics of reactions in dissolution, the various states of matter and the principles of thermodynamics and its application for pharmaceutical sciences.

To be familiar with and understand the main characteristics of elements and their compounds, as well as their application in the pharmaceutical sphere.

To carry out standard laboratory procedures involving the use of scientific synthesis and analysis equipment, including suitable instrumentation.

DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
95 hours	130 hours