

**COURSE DATA****Data Subject**

Code	44999
Name	Industria, Química y Sociedad
Cycle	Master's degree
ECTS Credits	4.0
Academic year	2021 - 2022

Study (s)

Degree	Center	Acad. Period year
2249 - Master's Degree in Chemistry	Faculty of Chemistry	1 Annual

Subject-matter

Degree	Subject-matter	Character
2249 - Master's Degree in Chemistry	6 - Industria, Química y Sociedad	Obligatory

Coordination

Name	Department
BAEZA BAEZA, JUAN JOSE	310 - Analytical Chemistry
PEREZ PLA, FRANCISCO	315 - Physical Chemistry

SUMMARY

This course is aimed at the acquisition of transversal competences related to aspects of chemistry, industry and society that complement the knowledge acquired in the compulsory subjects of the Master and that facilitate students to tackle real problems of multidisciplinary nature both in research areas, development and innovation (R+D+i), legislation, knowledge transfer, quality assurance and other aspects of interest in the chemical industries of the Valencian Community

PREVIOUS KNOWLEDGE

**Relationship to other subjects of the same degree**

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

Chemistry knowledge acquired during the Chemistry or recommended entry degrees are required.

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)**2249 - Master's Degree in Chemistry**

- Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.
- Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.
- Students should demonstrate self-directed learning skills for continued academic growth.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Possess the necessary skills to develop multidisciplinary activities within the field of chemistry at the master's level.
- Fomentar, en contextos académicos y profesionales del ámbito de la política económica, el avance tecnológico, social o cultural dentro de una sociedad basada en el conocimiento y en el respeto a: a) los derechos fundamentales y de igualdad de oportunidades entre hombres y mujeres, b) los principios de igualdad de oportunidades y accesibilidad universal de las personas con discapacidad y c) los valores propios de una cultura de paz y valores democrático.
- Possess the ability to plan and manage time and resources and gain experience in decision-making.
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- Gain experience in the use of information tools and in the management of the information obtained.
- Be able to defend positions in debates and colloquia in a rigorous and reasoned manner.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

1 Know and handle the support tools for chemists in the professional field, in matters related to legislative and environmental requirements, product quality assurance, R + D + i and knowledge transfer, in the context of chemical industries of interest in the Valencian Community.

2 Know the mechanisms for improving social and human skills, and / or their training in areas of knowledge other than Chemistry, which may have an impact on their professional facet.



DESCRIPTION OF CONTENTS

1. Legislation and regulation affecting the chemical industry

2. Innovation and knowledge transfer

3. 34 / 5000

Resultados de traducción

Product quality assurance

4. Aspects of interest in the chemical industries of the Valencian Community

WORKLOAD

ACTIVITY	Hours	% To be attended
Seminars	40,00	100
Preparation of evaluation activities	60,00	0
TOTAL	100,00	

TEACHING METHODOLOGY

Throughout the course, conferences, seminars or round tables related to transversal aspects of chemistry in its relationship with industry and society will be organized. In addition, students will attend tutorials with the professor of the subject to discuss the relevant aspects of the activities carried out and propose assignments to be carried out individually or in groups.

The course will also include a seminar about employability that will involve the participation in the Employment Forums held on the Burjassot campus during the academic year. Thus, the possibility of professional insertion of graduates will be reinforced, which is one of the fundamental quality criteria of a postgraduate program.

As communication support, the Virtual Classroom and the email list of the Universitat de València that allow the communication student-professor, the storage of all the information that is considered appropriate for the development of the subject and the control of the participation of students in daily activities.



EVALUATION

Continuous evaluation of the activity developed by the student through participatory assistance, problem solving, etc., This section will include participation in the Employment forums held on the Burjassot campus during the academic year, which may involve up to 10% of the note:

WEIGHTING 70%

Report of the tutor, professor of the subject:

WEIGHTING 30%

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

English version is not available