# COURSE DATA

| Data Subject | |
|---|---|
| **Code** | 44619 |
| **Name** | The industry of the chemist |
| **Cycle** | Master's degree |
| **ECTS Credits** | 5.0 |
| **Academic year** | 2019 - 2020 |

**Study (s)**

| Degree | Center | Acad. year | Period |
|---|---|---|---|
| 2218 - Master's Degree in Chemistry | Faculty of Chemistry | 1 | First term |

**Subject-matter**

| Degree | Subject-matter | Character |
|---|---|---|
| 2218 - Master's Degree in Chemistry | 13 - The industry of the chemist | Optional |

**Coordination**

| Name | Department |
|---|---|
| GIMENEZ SAIZ, CARLOS | 320 - Inorganic Chemistry |

# SUMMARY

**English version is not available**

Esta asignatura tiene como finalidad aplicar los conocimientos adquiridos en química a los sectores de la industria más comunes y, especialmente, a los de mayor presencia en la Comunidad Valenciana. La asignatura la impartirán profesionales de la industria y de la Empresa Química, miembros del Ilustre Colegio de Químicos de la Comunidad Valenciana, que actuarán como profesores externos.

Adicionalmente, el Ilustre Colegio de Químicos de la Comunidad Valenciana imparte varios seminarios, conferencias y talleres relativos a la identificación de salidas profesionales en la industria química, la empleabilidad, y el emprendimiento, haciendo uso de las técnicas y herramientas apropiadas para la búsqueda de empleo y la inserción laboral.

# PREVIOUS KNOWLEDGE

## Relationship to other subjects of the same degree

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

## Other requirements

# COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

## 2218 - 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.
- Be able to solve complex chemistry problems, whether in the academic, research or industrial application areas at a specialization or masters-level.
- Possess the necessary skills to develop multidisciplinary activities within the field of chemistry at the master's level.
- Be able to design, perform, analyse and interpret experiences and complex data in the environment of chemistry at a specialization level.
- Acquire advanced knowledge to assess the importance of chemistry in health, the environment, new materials and energy.
- Acquire the necessary advanced knowledge to assess the importance of chemistry in economic and social development in a context of specialization.

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

# English version is not available

# DESCRIPTION OF CONTENTS

## 1. Recycling tyres

Structure and composition of tyres. Fabrication process. SIGNUS.
Different ELTs recycling processes and technical applications.
Thermolysis of ELTs. Fabrication process.

**2.**

**3.**

**4.**

**5.**

**6.**

**7.**

## WORKLOAD

| ACTIVITY | Hours | % To be attended |
|---|---|---|
| Theory classes | 50,00 | 100 |
| Study and independent work | 30,00 | 0 |
| Preparation of evaluation activities | 30,00 | 0 |
| Preparation of practical classes and problem | 15,00 | 0 |
| **TOTAL** | **125,00** | |

## TEACHING METHODOLOGY

## English version is not available

## EVALUATION

## English version is not available

## 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