

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

Code	42940
Name	Generic skills
Cycle	Master's degree
ECTS Credits	5.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
2109 - M.D. in Experimental Techniques in Chemistry	Faculty of Chemistry	1	Second term

Subject-matter

Degree	Subject-matter	Character
2109 - M.D. in Experimental Techniques in Chemistry	3 - Generic skills	Obligatory

Coordination

Name	Department
ESTEVE TURRILLAS, FRANCESC ALBERT	310 - Analytical Chemistry

SUMMARY

Subject dedicated to the achievement of activities adapted for the acquisition of competitions derived from the scientific, technical and human formation, such as the preparation of a written work, assistance to courses related to general or concrete aspects of the Sciences, its implication for the society or the environment, languages, computer science, etc. It is possible recognized credits previously realized by the student if they bring him this type of competences.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

Prior knowledge of chemistry and experimental work in the laboratory of chemistry taught in the degrees indicated in the recommended income profile for the student of the master's degree are required.

OUTCOMES

2109 - M.D. in Experimental Techniques in Chemistry

- Poseer las habilidades de aprendizaje que les permitan continuar estudiando de un modo que habrá de ser en gran medida autodirigido o autónomo.
- Ser capaces de integrar conocimientos y enfrentarse a la complejidad de formular juicios a partir de una información que, siendo incompleta o limitada, incluya reflexiones sobre las responsabilidades sociales y éticas vinculadas a la aplicación de sus conocimientos y juicios.
- Be able to access the information required (databases, scientific articles, etc.) and to interpret and use it sensibly.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Be able to access to information tools in other areas of knowledge and use them properly.
- To be able to assess the need to complete the scientific, historical, language, informatics, literature, ethics, social and human background in general, attending conferences, courses or doing complementary activities, self-assessing the contribution of these activities towards a comprehensive development.

LEARNING OUTCOMES

Listed here are the results of learning of the subject matter, due to the fact that consists of only one subject, coincide with the specific objectives to achieve in the teaching-learning process of the subject.

At the end of the teaching-learning process the learner will be able to:

1. Correctly handle the tools of information in areas of knowledge different from chemistry to obtain the information necessary to understand a particular topic and have criteria for issuing a personal judgment reasoned
2. Select a topic of interest for the improvement of its training scientific, historical, in languages, computer science, in literature, in ethics, social and human in general and to attend conferences or courses by performing a critical summary
3. Select a topic of interest for the improvement of its training scientific, historical, in languages, in



computer science, in literature, in ethics, social and human in general and perform a written work by using the tools of information necessary

4. Assess the improvements it has made to their comprehensive training the realization of a formative activity specific
5. Regarding the Sustainable Development Goals (SDGs), it is expected that students will be able to know in this subject how to apply the knowledge learned to guarantee an inclusive, equitable, and quality education and promote learning opportunities for everyone (SDG 4), to acquire a special sensitivity for sustainable management of water (SDG 6), raw materials and energy sources (SDG 7), as well as for an environmentally friendly and sustainable development (SDGs 11 , 12, 13, 14 and 15), in addition to being able to design, select and/or develop efficient products, chemical processes, and analytical methodologies (SDG 7) that minimize their impact on the environment (SDGs 14 and 15), using alternative raw materials and reducing wastes (SDG 11).

DESCRIPTION OF CONTENTS

1. Acquisition of generic skills related to the information and the integral formation through realization of programmed activities

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	50,00	100
Development of individual work	75,00	0
TOTAL	125,00	

TEACHING METHODOLOGY

In the single subject matter of the Transversal competencies and of the same denomination, the students will be tutored by some of the teachers who are part of the Academic Coordinating Commission of the Master (which should not match the tutor assigned to the Master Thesis).

Throughout the course, the Academic Coordinating Commission of the Master, (ACC Master) will organize workshops, conferences or round tables, etc, related to general or specific aspects of the science, its implication for the society or the environment, etc. , or other courses that will broaden the integral formation that may assist students (formative activity 1).

Also the students will attend the tutorials with the tutor professor who have been assigned, to select the work to be done based on the courses assisted (activity 2) and in other topics proposed by the ACC Master .



Students will develop a written memory about the work carried out.

The Academic Coordinating Commission of the Master may exempt from the completion of the work (activity 2) to the students that have a degree of 300 ECTS or higher if they have coursed optional subjects that aporte transferable skills

EVALUATION

Attendance at tutorials for the realization of activity 2 (work) and/or participatory assistance to activity 1 (programmed course/s)

The competences to evaluate: specifics: CB6, CB8 y CB10

WEIGHT 20 %

Preparation of a report on received courses (activity 1) and on the work carried out (activity 2)

The competences to evaluate: specifics: CG3, CB6, CT1 y CT2

WEIGHT 80 %