



1. General information

Course: EXTERNSHIPS PRACTICES

Type: ELECTIVE

Degree: 2366 - MASTER DEGREE PROGRAMME IN CHEMICAL

Center: 1 - FACULTY OF SCIENCE AND CHEMICAL TECHNOLOGY

Year: 1

Main language: Spanish

Use of additional
languages:

Web site:

Code: 311126

ECTS credits: 12

Academic year: 2023-24

Group(s): 20

Duration: C2

Second language: English

English Friendly: Y

Bilingual: N

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Lecturer: SONIA MERINO GUIJARRO - Group(s): 20				
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Lecturer: MARIA SAGRARIO SALGADO MUÑOZ - Group(s): 20				
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2. Pre-Requisites

Not established

3. Justification in the curriculum, relation to other subjects and to the profession

Not established

4. Degree competences achieved in this course

Course competences

Code	Description
CB07	Students are able to apply their acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study.
CB08	Students are able to integrate knowledge and deal with the complexity of making judgements on the basis of incomplete or limited information, including reflections on the social and ethical responsibilities linked to the application of their knowledge and judgements.
CB10	Students possess the learning skills that will enable them to continue studying in a largely self-directed or autonomous way.
CE01	Apply the principles of metrology for the development of advanced quality research in the field of chemistry, as well as its integration in the management systems of laboratories that comply with the requirements of international standards.
CE04	Evaluate the usefulness of separation, analysis and structural determination techniques for joint application in problem solving, and be skilled in the use of such techniques in both research and routine laboratories applying methods of organic and inorganic analysis and/or synthesis.
CE07	To learn about the possibilities offered by new analytical methodologies in different fields of application, as well as the current trends in analytical chemistry of interest for the development of R+D+I or its implementation in specialised control laboratories.
CE09	To develop experiments that serve as a basis for R+D+I activities in the field of chemistry, facilitating their transfer to the productive world by means of new standardised work procedures validated for routine and/or control laboratories.
CG04	Acquire laboratory management skills, both from the point of view of work organisation, responding to principles of quality, safety, environmental and social commitment, as well as the involvement of computer tools and scientific information useful in research and/or routine laboratories.
CT01	Apply critical, logical and creative thinking, demonstrating a capacity for innovation.
CT02	Effectively integrate ICTs into the specialised areas of the chemistry profession, both for the development of new basic and applied aspects.

5. Objectives or Learning Outcomes

Course learning outcomes

Description
Explain in a clear and concise manner the conclusions of a project carried out that may be of interest to a non-specialist audience.
Exponer y defender, ante un público especializado, el desarrollo, resultados y conclusiones de un proyecto realizado.
Solve problems based on the use of chemical techniques and tools.
Become aware of the importance of teamwork, accountability in performance, and responsible management and leadership strategies.
Use the ethical practice of the profession, being aware of the social responsibility of their reports and their impact on decision-making.
To know the principles of professional activity management in different types of organisations.
Use the appropriate methodology to develop an original project: bibliographic search, design, planning and development of experiments, data analysis, proposals for improvement and conclusions of the work.
Use scientific databases, abstracts, full articles, documentation, etc. necessary to have a clear view of the background, originality, interest and feasibility of a particular study.
Produce a clear and concise report on the results obtained from a project.

6. Units / Contents

No units added

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Practicum [ON-SITE]	Practical or hands-on activities		8.2	205	Y	Y	
Practicum and practical activities report writing or preparation [OFF-SITE]	Self-study		3.2	80	Y	Y	
Individual tutoring sessions [ON-SITE]	Guided or supervised work		0.4	10	N	-	
Project or Topic Presentations [ON-SITE]	Other Methodologies		0.2	5	Y	Y	
Total:			12	300			
Total credits of in-class work: 8.8			Total class time hours: 220				
Total credits of out of class work: 3.2			Total hours of out of class work: 80				

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System

Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Practicum performance	60.00%	60.00%	
Practicum and practical activities reports assessment	20.00%	20.00%	
Oral presentations assessment	20.00%	20.00%	
Total:	100.00%	100.00%	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the

passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject , an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates

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10. Bibliography and Sources

Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
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