

**1. General information****Course:** MASTER DIPLOMA WORK**Type:** PROJECT**Degree:** 2336 - MASTER DEGREE PROGRAM IN CHEMICAL ENGINEERING**Center:** 1 - FACULTY OF SCIENCE AND CHEMICAL TECHNOLOGY**Year:** 2**Main language:** Spanish**Use of additional languages:** English**Web site:****Code:** 310753**ECTS credits:** 12**Academic year:** 2023-24**Group(s):** 20**Duration:** SD**Second language:** English**English Friendly:** Y**Bilingual:** N**Lecturer:** JUSTO LOBATO BAJO - Group(s): 20

Building/Office	Department	Phone number	Email	Office hours
Enrique Costa/Desp. 6	INGENIERÍA QUÍMICA	6707	justo.lobato@uclm.es	Tuesday and Friday from 12:00 to 13:30 h

**Lecturer:** CRISTINA SAEZ JIMENEZ - Group(s): 20

Building/Office	Department	Phone number	Email	Office hours
Enrique Costa Novella/ Despacho 4	INGENIERÍA QUÍMICA	6708	cristina.saez@uclm.es	Monday, Tuesday and Thursday from 9 to 10h

**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
CB08	To be 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
E12	To present and defend, once all the credits of the study plan have been obtained, an original exercise carried out individually before an university tribunal, consisting of a comprehensive chemical engineering project of a professional and/or research nature which synthesizes the competences acquired in the teaching
G04	To conduct appropriate research, undertake design and direct the development of engineering solutions, in new or unfamiliar environments, relating creativity, originality, innovation and technology transfer.
G09	To communicate and discuss proposals and conclusions in multilingual forums, specialized and non-specialized, in a clear and unambiguous way
G11	To possess the skills of autonomous learning in order to maintain and improve the competences of chemical engineering that allow the continuous development of the profession
MC1	To have acquired advanced knowledge and demonstrated an understanding of the theoretical and practical aspects and of the working methodology in the field of Chemical Engineering with a depth that reaches the forefront of knowledge
MC2	To be able, through arguments or procedures developed and supported by themselves, to apply their knowledge, understanding and problem-solving skills in complex or professional and specialized work environments that require the use of creative or innovative ideas
MC3	To have the ability to collect and interpret data and information on which to base their conclusions including, where necessary and relevant, reflection on social, scientific or ethical issues in the field of chemical engineering
MC4	To be able to deal with complex situations or those that require the development of new solutions in the academic, work or professional field of study of Chemical Engineering
MC5	To know how to communicate to all types of audiences (specialized or not) in a clear and precise way, knowledge, methodologies, ideas, problems and solutions in the field of the study of Chemical Engineering
MC6	To be able to identify their own training needs in the field of study of Chemical Engineering and work or professional environment and to organize their own learning with a high degree of autonomy in all kinds of contexts (structured or unstructured).

**5. Objectives or Learning Outcomes****Course learning outcomes**

Description

Ability to develop, present and defend before a committee, a work related to the exit profile that has been defined through the general objectives indicated in this report

Ability to carry out specific work or research in the field of chemical engineering

**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
Writing of reports or projects [OFF-SITE]	Combination of methods	CB08 G04 G09 G11 MC1 MC2 MC3 MC4 MC5 MC6	11	275	Y	Y	
Group tutoring sessions [ON-SITE]	project-based learning	CB08 G04 G09 G11 MC1 MC2 MC3 MC4 MC5 MC6	0.96	24	Y	N	
Final test [ON-SITE]	Assessment tests	E12	0.04	1	Y	Y	
Total:			12	300			
Total credits of in-class work: 1			Total class time hours: 25				
Total credits of out of class work: 11			Total hours of out of class work: 275				

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
Oral presentations assessment	40.00%	40.00%	
Other methods of assessment	60.00%	60.00%	
<b>Total:</b>	<b>100.00%</b>	<b>100.00%</b>	

*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).*

**Evaluation criteria for the final exam:**

**Continuous assessment:**

The final grade of the final master's project will be obtained as a result of a weighted average between the grade of the Evaluation Committee, with a factor of 70% (40% defense and debate, and 30% quality of the document), and the grade of the project director(s) or tutor(s), with a factor of 30%, and will be issued by the Evaluation Committee.

**Non-continuous evaluation:**

Evaluation criteria not defined

**Specifications for the resit/retake exam:**

The final grade of the final master's project will be obtained as a result of a weighted average between the grade of the Evaluation Committee, with a factor of 70% (40% defense and debate, and 30% quality of the document), and the grade of the project director(s) or tutor(s), with a factor of 30%, and will be issued by the Evaluation Committee.

## 9. Assignments, course calendar and important dates

Not related to the syllabus/contents

Hours	hours
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## 10. Bibliography and Sources

Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
No se ha introducido ningún elemento bibliográfico						