



PERSONA CIENCIA EMPRESA
UNIVERSITAT RAMON LLULL

COURSE: PRACTICUM

SUBJECT MATTER: Practicum

MODULE: Internship

PROGRAM: Degree in Chemical Engineering

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GENERAL CHARACTERISTICS

Type: Basic formation, Compulsory, Elective

Final Degree Project, Internship

Duration: Semestral

Semester / s: 8

Number of ECTS credits: 5

Languages: Spanish, Catalan and English

DESCRIPTION

SHORT DESCRIPTION AND JUSTIFICATION

Course objectives:

- First contact with the world of work
- real opportunity to put into practice the theoretical knowledge and skills acquired

We can highlight the following skills:

- Responsibility at work
 - Work quality
 - Spirit of collaboration and critical thinking
 - Acceptance of the rules
 - Communication skills
 - Curiosity and interest in learning
 - Initiative and decision-making
 - Teamwork
 - Analytical capacity
 - ethical commitment
 - Flexibility and adaptability to market needs
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- Screening test for access to a job
 - Gives a differential character in the curriculum of students

COMPETENCES

- Be able to understand and apply knowledge of Chemistry, Biosciences and Engineering for application in the field of Chemistry. (CB1, E2)
- Be able to understand advanced knowledge of Chemical Engineering (CB1, E4).
- That students have developed those learning skills necessary to undertake further studies with a high degree of autonomy. (CB5)
- Be able to work in a team. (T1)
- Be able to work in a multidisciplinary environment. (T2)

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- Be able to incorporate ethical arguments to work in a professional environment in a responsible manner. (T4)
- Be able to incorporate contemporary aspects related to the exercise of their profession. (T5)
- Ability to integrate the contents worked on in different subjects studied in the Degree in Chemical Engineering and situate it in a real industrial framework, to be introduced into the specific tasks of a technician in an industrial company and to put into practice activities of collaboration and teamwork with other professionals from different fields and levels of responsibility in the company. (CP3)

PREVIOUS REQUIREMENTS

The curricular internship is carried out in the 2nd semester of the 4th year or during the summer, at the end of the 3rd year or the 4th year, once the 50% of the credits of the degree have been passed.

CONTENTS

In the Practicum, once tutors have agreed on the work to perform in the company, the student should follow the instructions both propose and adapt to the way they work and good work of the company. It is documented specifically for each student.

METHODOLOGY

LEARNING ACTIVITIES

Learning activities	Hours	ECTS credits	competences
Practical & lab work	150	5,54	CB1, E2, E4, CB5, T1, T2, T4, T5, CP3
Presentations	1	0,03	CB1, E2, E4, CB5, T4, T5, CP3
Personal study	10	0,4	CB1, E2, E4, CB5, T1, T2, T4, T5, CP3
Assessment Tasks (Exams, Continuous Assessment...)	1	0,03	CB1, E2, E4, CB5, T1, T2, T4, T5, CP3
TOTAL	162	6,0	

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TEACHING METHODOLOGY

It is based on the following activities:

- Period of implementation of activities in a company or in a training center (laboratories, computer practices, projects, workshops, etc.) by the student, under the direct supervision of the tutor of the company.
- Oral presentation of the internship report to the professor and other students, where the student presents the activity in the company or training center as well as the professional and personal contributions gained during the stay in the company.
- Student's personal work necessary to acquire the contents and skills for the development of the practice.

ASSESSMENT

ASSESSMENT METHODS

Assessment methods	Weight	Competences
Final exam	-	
Mid-term exams	-	
Continuous assessment activities	-	
Reports and presentations	50%	CB1, E2, E4, CB5, T1, T2, T4, T5, CP3
Lab or field work	-	
Projects	-	
Host student evaluation	50%	CB1, E2, E4, CB5, T1, T2, T4, T5, CP3
Participation	-	

LEARNING OUTCOMES

- Students must demonstrate the ability to understand and apply knowledge of Chemistry and Engineering for its application in the field of Chemical Engineering. (CB1, E2)
- Students must demonstrate the ability to understand advanced knowledge of Chemical Engineering (CB1, E4)
- Students must demonstrate the learning skills necessary to undertake subsequent studies with a high degree of autonomy. (CB5)
- Students must demonstrate the ability to work as a team. (T1)
- Students must demonstrate the ability to work in a multidisciplinary environment. (T2)
- Students must demonstrate that they are capable of incorporating ethical-deontological arguments to work in a professional environment in a responsible manner. (T4)
- Students must demonstrate that they are capable of incorporating contemporary aspects related to the exercise of their profession. (T5)
- Students must demonstrate the ability to integrate the contents worked on in different subjects studied in the Degree in Chemical Engineering and situate it in a real industrial



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QUALIFICATION

50% final assessment report by the company and 50% grading papers and presentations will be computed.

ASSESSMENT OF THE COMPETENCES

T1 and T2 competences will be evaluated through the assessment of the company or institution.

CB1/E2 CB1/E4, T4, T5, CB5 and CP3 competences will be evaluated through the final grade of the course.

BIBLIOGRAPHY

DOCUMENT HISTORY

PREVIOUS REVISIONS

01/09/17, Dra. Mar Guitert

15/07/16, Dra. Mar Guitert

CURRENT REVISION

20/03/19, Dr. Julià Sempere, Sra. Cristina Surroca