

Work Placement

Code: 103794
ECTS Credits: 9

Degree	Type	Year	Semester
2500897 Chemical Engineering	OT	4	0

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: No
Some groups entirely in Spanish: No

Prerequisites

The generals of the Degree to be able to take a subject of third-fourth course

Objectives and Contextualisation

Give the possibility to students who are about to finish the degree to get in touch with the world of work. Application of the own knowledge to the tasks assigned in a company of the chemical sector (in the broad sense).

Competences

- Apply one's knowledge when performing measurements, calculations, estimations, evaluations, assessments, studies, reports and other similar tasks.
- Communication
- Develop personal attitude.
- Develop personal work habits.
- Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
- Work in a team.

Learning Outcomes

1. Adapt to multidisciplinary and international surroundings.
2. Analyse data and measurements in the area of engineering to extract and comprehend information using statistical tools.
3. Assume social, ethical, professional and legal responsibility, if applicable, derived from professional exercise.
4. Be able to apply one's knowledge to the work of a company in the chemical sector (in the broadest sense), such as measurements, calculations, estimations, evaluations, assessments, studies, reports, task-planning and other similar jobs.
5. Communicate efficiently, orally and in writing, knowledge, results and skills, both professionally and to non-expert audiences.
6. Develop independent learning strategies.

7. Efficiently use ICT for the communication and transmission of ideas and results.
8. Generate innovative and competitive proposals in professional activity.
9. Identify, manage and resolve conflicts.
10. Maintain a proactive and dynamic attitude with regard to one's own professional career, personal growth and continuing education. Have the will to overcome difficulties.
11. Manage available time and resources. Work in an organised manner.
12. Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
13. Work autonomously.
14. Work cooperatively.
15. Work in complex or uncertain surroundings and with limited resources.

Content

This subject does not have its own theoretical contents

Methodology

The protocol to follow is the following:

- 1) the professor publishes, throughout the course, in the space of the subject in the Virtual platform, a certain offer of a company and specifies the term for the students to express their interest.
- 2) the interested students send the teacher an e-mail accompanied by their academic transcript and their prioritization, if there is more than one offer
- 3) The teacher makes the award of the companies among the interested students according to the average of the academic record and the credits passed or other requirements specifically requested by the company in question. The teacher awards the practices for each student based on the previous prioritization. The teacher selects 3 students for each offer, if requested by the company.
- 4) the students get in contact with the company, following the instructions of the teacher, and if necessary the company makes the final selection
- 5) the student selected by the company writes the PROPOSAL OF ACTIVITY document that is published in the virtual platform and sends it to the teacher by email
- 6) Once approved by the teacher, especially the tasks section, it is sent to Academic Management of the Engineering School so that they prepare the draft of the University-Business agreement. From this moment, the student can already enroll in the subject and began the realization of the Practices.

After the stay at the company, the student must elaborate a report and do an oral presentation to the rest of the colleagues who have studied the subject. If the company requests confidentiality of the data, this presentation is only made to the teacher and is not public

For more details regarding the procedure consult the virtual platform or contact the responsible professor.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
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Type: Autonomous

Realization of a practical work	225	9	1, 3, 5, 7, 8, 11, 9, 10, 4, 14, 13, 15
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Assessment

The supervisor of the company will prepare a report in which the student is valued according to his attitude and fulfillment of the assigned tasks.

The student will prepare a written report and make a public presentation to his classmates. These will be evaluated by the academic tutor. 2 evaluation periods are foreseen: February and July.

The assessment of the tutor in the company and that of the academic tutor is weighted with 60% and 40% respectively, respectively. If there is no qualification or written report by the tutor in the company, the evaluation will be based on the assessment of the academic tutor.

Ratings

A student will be considered non-evaluable if he does not submit the written report or if he does not make the public presentation.

According to the coordination of the Degree and the direction of the School of Engineering this subject is not recoverable, due to its eminently practical nature.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
company tutor report	60%	0	0	1, 3, 8, 11, 9, 10, 4, 14, 13, 15
written report and oral presentation	40%	0	0	2, 5, 6, 7, 11, 12, 13

Bibliography

There is no conventional list of reference books. However, the student is asked to consult the virtual campus to know details of the type of agreement, activity proposal form, and possibilities to extend the stay in the company through external non-curricular internships (UAB job board, Servei d'Ocupabilitat).

The power-point presentation made by the teacher at the beginning of the course or at the beginning of each semester is also available to the student on the Virtual platform.

Software

MS Office (word, excel, power-point)