
SUBJECT TEACHING GUIDE: FINAL DEGREE PROJECT

Chemical Engineering Degree

ACADEMIC COURSE 2016-2017

1. IDENTIFYING DATA

Degree	Chemical Engineering Degree	
Faculty	ETSIIyT	
Discipline	Final Degree Project	
Course Unit title and code	G811	Final Degree Project
ECTS Credits allocated	12,0	
Course / Semester	4º	2º
Web	http://www.unican.es/Centros/etsiit/planes/Trabajos+Fin+de+Grado.htm	
language	Spanish /English (European Project Semester, EPS)	

Coordinator	Chemical Engineering Degree coordinator (Dra. Raquel Ibáñez Mendizabal)
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Reglamento de TFG/TFM del Centro (dirección web)	http://www.unican.es/Centros/etsiit/planes/Trabajos+Fin+de+Grado.htm http://www.unican.es/NR/rdonlyres/89A72C65-4220-41FA-926B-FC10C7E46AD4/101250/UCETSIITGITITFG1.pdf
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3.1. LEARNING OUTCOMES

The learning outcomes of this course will be demonstrated by means of an individual, original exercise that will be presented and defended before a university evaluation panel, which consists of a professional project related to Industrial Engineering technologies that synthesizes and integrates the competences acquired in the degree.

The learning outcomes included in the course are:

1	<ul style="list-style-type: none"> To be able to look for information about a topic or a real case study, and to organize it.
2	<ul style="list-style-type: none"> To be able to analyze the different models and possible approaches according to the contents studied in the degree.
3	<ul style="list-style-type: none"> To be able to use different tools to solve the proposed problem.
4	<ul style="list-style-type: none"> To be able to prepare a structured report that contains the main results and conclusions of the work.
5	<ul style="list-style-type: none"> To present and defend the results of the report in an accessible way by the audience.

4. COURSE OBJETIVES

To be able to carry out a personal, autonomous, original work, whose aim is to show the acquisition of the competences associated with the degree.

To show the students' competences in the preparation of the report, which must contain the developed work, and in its presentation in open court. The work will contain enough elements of personal creation and all the references will be cited in an appropriate way

6. COURSE ORGANIZATION

Organization and assignment of Final Degree Projects (FDP)

According to the Final Degree Project (FDP) regulations of the Degree in Chemical Engineering (<http://www.unican.es/Centros/etsiit/planes/Trabajos+Fin+de+Grado.htm>)

Time distribution: calls, deadlines and presentation in each call

Phases	Dates in which the FDP must be performed
FDP assignment	At the beginning of each four-month term

Report presentation	One week before the presentation
Calls of FDP presentation	The student will have at least 4 ordinary calls during the academic year. Their dates will be agreed by the academic commission at the beginning of each academic course
What does the FDP imply? (description of the report ante the necessary material to carry out its public presentation)	
<p>According to the Final Degree Project (FDP) regulations of the Degree in Chemical Engineering (http://www.unican.es/Centros/etsiit/planes/Trabajos+Fin+de+Grado.htm).</p> <p>Even though a summary of what the regulation states about this issue can be found below, the student should read the mentioned regulation carefully in order to find all the details:</p> <p>The Final Degree Project will consist of an electronic document (PDF) that will be copy in a CD. The CD jacket will follow the format established in Annex II and the degree, name of the student, academic course and date of the presentation will be written in an indelible way in the CD.</p> <p>The report will include:</p> <ol style="list-style-type: none"> First page: the cover, which will follow the format established in Annex III A summary of the work in Spanish and English following the format established in Annex IV <p>If necessary, plans higher than A-4 format will follow the normalized sizes established by UNE.</p> <p>Numbered pages.</p> <p>The report must contain the main aspects and results of the work developed, so 50 is the maximum recommended number of pages, which will be taken into account by the Evaluation Panel. Regarding its content, the following structure is recommended:</p> <ol style="list-style-type: none"> Acknowledgements, if necessary. Index. List of figures and tables. Brief introduction. Development of the work, which can contain as many chapters as required. Conclusions (the future work can be also included in this section, if necessary). Annexes or appendixes, if necessary. References, according to the CITAR tutorial of the University of Cantabria Library (http://www.buc.unican.es/sites/default/files/tutoriales/CITAR/PAGO.html) <p>The use of Calibri typeface, size 12, line spacing 1.5, and justified text with top and bottom margins of 2.5 cm and left and right margins of 3 cm is recommended.</p> <p>For the public presentation of the FDP, a Power-point presentation or similar will be used, so that it supports the oral presentation of the student.</p> <p>For those FDP carried out in the framework of the EPS program, the maximum recommended length will be 30 pages (even though more information can be added in annex) and the report will be written completely in English and the presentation will also be done in this language.”.</p>	

7. ASSESMENT METHODS AND CRITERIA

Composition of the evaluation panel

According to the Final Degree Project (FDP) regulations of the Degree in Chemical Engineering

(<http://www.unican.es/Centros/etsiit/planes/Trabajos+Fin+de+Grado.htm>)

Even though a summary of what the regulation states about this issue can be found below, the student should read the mentioned regulation carefully in order to find all the details:

The evaluation panel will be formed by three members of the teaching staff of the School of Industrial and Telecommunications Engineering, who will be involved preferably in courses of the Degree in Chemical Engineering. The members of the evaluation panel of the FDP carried out in the framework of the EPS program must have the competences in English established by the University of Cantabria.

Description of the presentation

According to the Final Degree Project (FDP) regulations of the Degree in Chemical Engineering (<http://www.unican.es/Centros/etsiit/planes/Trabajos+Fin+de+Grado.htm>)

Even though a summary of what the regulation states about this issue can be found below, the student should read the mentioned regulation carefully in order to find all the details:

The FDP presentation session will be opened by the President of the evaluation panel. Each student will present his/her work during 10/15 min, since the evaluation panel will appreciate the student's capacity to summarize it. After the oral presentation, the members of the evaluation panel may ask the student several questions related to, at least, the exposition, the report or the FDP in general.

The presentation of the FDP carried out in the framework of the EPS program will be completely in English.

Assessment criteria

Criterios	Ponderación
<i>Criteria</i>	<i>Weight (%)</i>
Scientific and technical quality	25
Quality of the report	25
Clarity of speech	20
Discussion capacity	20
Advisor's report / other concepts that the members of the evaluation panel may indicate in their assessment	10