GUÍA DOCENTE ABREVIADA DE LA ASIGNATURA

G1636 - European Project Semester EPS

Grado en Ingeniería Química

Curso Académico 2020-2021

1. DATOS IDENTIFICATIVOS				
Título/s	Grado en Ingeniería Química		Tipología y Curso	Optativa. Curso 4
Centro	Escuela Técnica Superior de Ingenieros Industriales y de Telecomunicación			
Módulo / materia	MATERIA OPCIÓN D: EUROPEAN PROJECT SEMESTER MÓDULO OPTATIVO			
Código y denominación	G1636 - European Project Semester EPS			
Créditos ECTS	30	Cuatrimestre	Cuatrimestral (2)	
Web				
Idioma de impartición	Inglés		Forma de impartición	Presencial

Departamento	DPTO. INGENIERIAS QUIMICA Y BIOMOLECULAR
Profesor responsable	INMACULADA ORTIZ URIBE
E-mail	inmaculada.ortiz@unican.es
Número despacho	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 2. DESPACHO INMACULADA ORTIZ URIBE (S2065A)
Otros profesores	RAQUEL IBAÑEZ MENDIZABAL CLARA CASADO COTERILLO EUGENIO BRINGAS ELIZALDE ANTONIO DOMINGUEZ RAMOS JONATHAN ALBO SANCHEZ

3.1 RESULTADOS DE APRENDIZAJE

- - Those corresponding to the following matters,
G787 Advanced Separation processes
G795 Wastewater Treatment
G799 Life Cycle Assessment
- Development of a group project where chemical engineering fundamentals (mass balances, energy balances, process kinetics...) are integrated for the optimum design of one of the following topics
* CO2 capture and recovery. Impact on climate change
*New water sources: Wastewater regeneration and reuse
*Desalination processes: source of water and chemicals "
"Application of biotechnology to environmental and industrial processes" "Polymers and new materials"
"Renewable energy sources: Photovoltaic, Fuel cels... "Industrial effluents as a source of value added products"
"Chemical and biomolecular engineering: purification of biomolecules, tissue engineering" etc
- Development of an individual project where chemical engineering fundamentals (mass balances, energy balances, process kinetics...) are integrated for the optimum design of one of the following topics
* CO2 capture and recovery. Impact on climate change
*New water sources: Wastewater regeneration and reuse
*Desalination processes: source of water and chemicals "
"Application of biotechnology to environmental and industrial processes" "Polymers and new materials"
"Renewable energy sources: Photovoltaic, Fuel cels... "Industrial effluents as a source of value added products"
"Chemical and biomolecular engineering: purification of biomolecules, tissue engineering" etc Oral and written presentation

4. OBJETIVOS

Integrate the fundamentals of chemical engineering disciplines for the optimum design of environmental, energy, chemical and biomedical processes. Along the course students will take part in team projects working on selected topics and they will develop an individual project as well.

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6. ORGANIZACIÓN DOCENTE

CONTENIDOS	
1	G787 ADVANCED SEPARATION PROCESSES G795 WASTEWATER TREATMENT G799 LIFE CYCLE ASSESSMENT

7. MÉTODOS DE LA EVALUACIÓN

Descripción	Tipología	Eval. Final	Recuper.	%
G787	Otros	No	Sí	20,00
G795	Otros	No	Sí	20,00
G799	Otros	No	Sí	20,00
G811	Otros	No	No	40,00
TOTAL				100,00

Observaciones

The final grade will be obtained as the weighted average of the grades of individual disciplines.

In case of a health emergency, in which it is advised not to make the face-to-face defense of the Final Degree Project, online evaluation will be allowed.

Criterios de evaluación para estudiantes a tiempo parcial

Part-time students will have an exam of the contents of the different courses that constitute the EPS program.

8. BIBLIOGRAFÍA Y MATERIALES DIDÁCTICOS

BÁSICA

For the reference list please go to the individual guides of the disciplines G787, G795, G799 and G811

Esta es la Guía Docente abreviada de la asignatura. Tienes también publicada en la Web la información más detallada de la asignatura en la Guía Docente Completa.