

GUÍA DOCENTE ABREVIADA DE LA ASIGNATURA

1056 - Knowledge Dissemination in Chemical Engineering

Máster Universitario en Ingeniería Industrial

Máster Universitario en Ingeniería Química

Curso Académico 2024-2025

1. DATOS IDENTIFICATIVOS					
Título/s	Máster Universitario en Ingeniería Industrial Máster Universitario en Ingeniería Química			Tipología y Curso	Optativa. Curso 2 Optativa. Curso 1
Centro	Escuela Técnica Superior de Ingenieros Industriales y de Telecomunicación				
Módulo / materia	ASIGNATURAS OPTATIVAS INGENIERÍA DE PROCESOS Y PRODUCTO				
Código y denominación	1056 - Knowledge Dissemination in Chemical Engineering				
Créditos ECTS	3	Cuatrimestre	Cuatrimestral (2)		
Web					
Idioma de impartición	Inglés	English friendly	No	Forma de impartición	Presencial

Departamento	DPTO. INGENIERIAS QUIMICA Y BIOMOLECULAR				
Profesor responsable	IGNACIO FERNANDEZ OLMO				
E-mail	ignacio.fernandez@unican.es				
Número despacho	E.T.S. de Ingenieros Industriales y de Telecomunicación. Planta: - 5. DESPACHO I. FERNANDEZ OLMO (S5004A)				
Otros profesores	MARIA JOSE RIVERO MARTINEZ MANUEL ALVAREZ GUERRA				

3.1 RESULTADOS DE APRENDIZAJE	
- Interpretation of technical and scientific results	
- To improve the creativity and the elaboration of original contributions . This implies the planning, elaboration and management of the diffusion of technical and scientific knowledge	
- The ability to write scientific and technical style manuscripts	
- The ability to show technical and scientific information under different audience: oral and poster presentations	
- Communication of scientific and engineering research to specialized and unspecialized audience	

4. OBJETIVOS

To elaborate adequately and with certain originality reasoned arguments and written scientific /technical documents, such as scientific papers and technical reports, or to make reasonable assumptions.

Publicly presenting ideas, procedures or research reports, conveying emotions or advising individuals and organisations

To be able to further interpret the most advanced results

To manage properly databases and reference management software in the field of Chemical Engineering

6. ORGANIZACIÓN DOCENTE

CONTENIDOS

1	<p>1. Written communication of scientific and engineering research</p> <p>1.1. Types of scientific and technical documents in chemical engineering</p> <p>1.2. Writing technical reports</p> <p>1.3. Writing scientific papers</p> <p>1.4. Writing abstracts and executive summaries</p> <p>1.5. Databases in chemical engineering</p> <p>1.6. Literature search through databases</p> <p>1.7. References management tools</p>
2	<p>2. Oral and poster presentations</p> <p>2.1. Poster elaboration</p> <p>2.2. Visual presentation elaboration</p> <p>2.3. Public presentation of scientific and engineering results</p>

7. MÉTODOS DE LA EVALUACIÓN

Descripción	Tipología	Eval. Final	Recuper.	%
Writing an executive summary of a project / business plan // Writing an abstract of a scientific work	Trabajo	Sí	Sí	30,00
Literature search and reference management portfolio	Trabajo	Sí	Sí	20,00
Poster elaboration	Otros	Sí	Sí	20,00
Audiovisual presentation elaboration, video recording and defense	Otros	Sí	Sí	30,00

TOTAL 100,00

Observaciones

In case of an off-site scenario, the same activities will be evaluated.
Submitting the four assignments is compulsory in the continuous assessment.

Criterios de evaluación para estudiantes a tiempo parcial

In the event that there are no alternative options that allow the part-time student to participate regularly in face-to-face teaching activities, the student may be subject to a single assessment process, consisting of the submission of the same assignments in the ordinary examination period.

8. BIBLIOGRAFÍA Y MATERIALES DIDÁCTICOS

BÁSICA

M. Alejandro y B. Astete, "El artículo científico original. Estructura, estilo y lectura crítica". Editorial EASP, 1994, ISBN 84-87385-09-5

S.M. Weinschenk, "100 things every presenter needs to know about people". Berkeley, California : Editorial New Riders, cop. 2012, ISBN: 978-0-321-82124-9

R. Berry. "The research Project. How to write it". Editorial Routledge, 2000, ISBN 0-415-20520-4

I. Valiela, "Doing science: design, analysis, and communication of scientific research". Editorial Oxford University Press, 2001, ISBN 0-19-507962-0

R. A. Day, B. Gastel. "How to Write and Publish a Scientific Paper, Sixth Edition." Westport, Connecticut: Greenwood Press, 2006. ISBN: 0-313-33040-9

M. Powell. "Dynamic presentations". Cambridge University Press, 2013. ISBN: 978-0-521-15004-0

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