

SUBJECT TEACHING GUIDE

G763 - Industrial Installations

Degree in Mechanical Engineering

Academic year 2025-2026

1. IDENTIFYING DATA				
Degree	Degree in Mechanical Engineering		Type and Year	Optional. Year 4
Faculty	School of Industrial Engineering and Telecommunications			
Discipline	Subject Area: Structures and Industrial Installations Optional Module: Mechanical Engineering			
Course unit title and code	G763 - Industrial Installations			
Number of ECTS credits allocated	6	Term	Semester based (2)	
Web				
Language of instruction	Spanish	English Friendly	No	Mode of delivery Face-to-face

Department	DPTO. INGENIERIA ESTRUCTURAL Y MECANICA
Name of lecturer	MIGUEL IGLESIAS SANTAMARIA
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Other lecturers	PEDRO BENITO GANCEDO LUIS MIGUEL MUÑIZ GONZALEZ

3.1 LEARNING OUTCOMES

- Noise and industrial ventilation. Calculus of lighting installations

4. OBJECTIVES

Noise, ventilation and lighting in industrial premises

6. SUBJECT PROGRAM

CONTENTS

1	Noise fundamentals.
2	Noise isolation. Legal regulations
3	Noise isolation Legal regulations
4	Industrial ventilation
5	Electrical installations. Legal regulations
6	Illumination. Calculation of lighting installations. Legal regulations

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%				
Evaluation topics 1 - 4	Written exam	No	Yes	50,00				
Evaluation topics 5 - 6	Written exam	Yes	Yes	50,00				
TOTAL								
100,00								
Observations								
The final grade for the course will be the result of the weighted average of the different marks obtained in each of the sections . If the resulting average is below 5.00 points or if the minimum grade is not reached in any of the sections, the resit will consist of an exam covering the corresponding sections during the extraordinary session. Grades will not be carried over to subsequent academic years								
Observations for part-time students								
Same evaluation								

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

- "Medida y control del ruido y vibraciones". Hoppe, C. Tratamiento Gráfico de Documentos S.A. Universidad de Cantabria.
- "Industrial Ventilation". Conejo, A. American Conference of Governmental Industrial Hygienists.
- "Instalaciones Eléctricas". Martín Sánchez, F. Ed. McGraw Hill, 2007.
- "Instalaciones Eléctricas en la Edificación". Guerrero Fernández, A. Ed. A. Madrid Vicente, 1997.
- "Instalaciones Eléctricas en las Edificaciones". Ed. McGraw-Hill, 1996.
- "Reglamento electrotécnico para baja tensión".
- "Esquemas eléctricos y electrónicos: lectura e interpretación". Ruiz Vassallo, F. Colección de normas UNE. 2005.
- "Diseño de instalaciones eléctricas de alumbrado". Trashorras Montecelos, J. S.A. Ediciones Paraninfo, 2001.
- "Instalaciones de iluminación". Universidad Nacional de Educación a Distancia.