COURSE DATA

DATA SUBJECT

Code: 44291
Name: Projects
Cycle: Master's Degree / Doctorate
ECTS Credits: 3
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2199 - Master's Degree in Electronic Engineering	Escola Tècnica Superior d'Enginyeria	1	Annual

SUBJECT-MATTER

Degree	Subject-matter	Character
2199 - Master's Degree in Electronic Engineering	Projects	COMPULSORY

COORDINATION

SANCHIS PERIS ENRIQUE J

GIRBES JUAN VICENT

SUMMARY

The subject Project has the overall objective that students gain the ability to properly apply all the knowledge necessary for the design, development and evaluation of projects and reports, applying the appropriate methodology and the basic principles of economics, management, quality and business organization as well as legislation, regulation and standardization in the field of studies in Electrical Engineering Master.

The basic objective of the subject is to introduce students to the concepts and techniques commonly employed in the management and direction of transportation projects, including documentary techniques used in the development of projects, as well as the presentation of the legislation applicable in industrial projects related to field of Industrial Electronics.

The subject aims to show students these methodologies and tools so that in their professional future they can tackle an industrial project with solvency. To this end, a series of technical and professional seminars will be held where the current state of electronic technology and related multidisciplinary areas will be revealed, while at the same time how an engineering project is managed in the company will be addressed.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

Given that this is a subject of general nature, are not necessary

COMPETENCES / LEARNING OUTCOMES

-

Capacidad para la dirección general, dirección técnica y dirección de proyectos de investigación, desarrollo e innovación, en empresas y centros tecnológicos relacionados con la Ingeniería Electrónica.

Demostrar una comprensión sistemática de un campo de estudio y el dominio de las habilidades.

Diseñar un sistema, componente o proceso que cumpla unas especificaciones desde diferentes puntos de vista: electrónico, económico, social, ético y medioambiental.

Realizar un análisis crítico, evaluación y síntesis de ideas nuevas y complejas.

Ser capaz de fomentar, en contextos académicos y profesionales, el avance tecnológico, social o cultural dentro de una sociedad basada en el conocimiento.

Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.

Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.

Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.

Students should demonstrate self-directed learning skills for continued academic growth.

Students should possess and understand foundational knowledge that enables original thinking and research in the field.

Take into account the economic and social context in engineering solutions, be aware of diversity and multiculturalism and ensure sustainability and respect for human rights and equality between men and women.

DESCRIPTION OF CONTENTS

1. introduction to project management

2. Technical seminars

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	15,00
Laboratory	15,00
Total hours	**30,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	20,00
Independent study and work	5,00
Preparation of lessons	5,00
Preparation for assessment activities	15,00
Resolution of case studies	0,00
Total hours	**45,00**

TEACHING METHODOLOGY

The teaching methodology is fundamentally based on a series of technical and professional seminars.

EVALUATION

The evaluation will be carried out through a written test and the delivery of a work.

REFERENCES

- 1. Pereña, J. "Dirección y Gestión de Proyectos". Ed. Díaz de Santos (1991).

- Gómez, J. F; Coronel, A.J; Martinez de Irujo, L; Lorente, A. "Gestión de proyectos". FC Editorial. Madrid, 2000. ISBN 8428317747
- Lock, D. "Gestión de proyectos". Ed. Paraninfo. Madrid, 1994. ISBN 8428317747
- 2. Domingo Alejo, A. Dirección y Gestión de Proyectos, un enfoque práctico. Ed. Rama 2005
- 3. Reglamento Electrotécnico de Baja Tensión. Ed. Paraninfo (1997) ISBN 84-283-2109-4
- 4. SERCOBE Gestión de la I+D+i- Normas UNE (2008) ISBN 978-84-8143-567-2
- Amándola, L.J. Gestión de Proyectos de Manufacturera Editoril UPV, ISBN 84-9705-311-7
- 5. Ruiz M., Mandado, E. La innovación Tecnológica y su Gestión Ed. Marcombo (1989) ISBN 84-267-0733-5