

**COMILLAS**

UNIVERSIDAD PONTIFICIA

ICAI

ICADE

CIHS

GUÍA DOCENTE**2025 - 2026****FICHA TÉCNICA DE LA ASIGNATURA****Datos de la asignatura**

Nombre completo	Internship
Código	XXX-MMS-596
Impartido en	Máster Universitario en Ingeniería Industrial + Máster in Motorsport, Mobility and Safety [Segundo Curso] Máster Universitario en Ingeniería Industrial + Máster in Motorsport, Mobility and Safety [Segundo Curso] Master in Motorsport, Mobility and Safety [Primer Curso]
Nivel	Master
Créditos	6,0 ECTS
Carácter	Obligatoria
Departamento / Área	Departamento de Ingeniería Mecánica
Responsable	Francisco López Valdés

Datos del profesorado**DATOS ESPECÍFICOS DE LA ASIGNATURA****Contextualización de la asignatura****Aportación al perfil profesional de la titulación**

The objective of the Professional Internship is for the student to apply the knowledge acquired — or currently being acquired — to real tasks within the topics of the Master's program, and to gain experience in a professional environment.

The internship will take place in a partner organization and will be supervised by either a faculty member with expertise in the field or a renowned industry professional.

Prerrequisitos

Prerequisites: None

Competencias - Objetivos**Competencias****General Competences**

CB01. Have acquired advanced knowledge and demonstrated, in a context of scientific and technological research or high-level specialization, a detailed and well-founded understanding of both theoretical and practical aspects and of the methodology applicable to one or more fields of study.

CB02. Be able to apply and integrate their knowledge and understanding, together with their scientific basis and problem-solving abilities, in new or loosely defined environments, including multidisciplinary research and highly specialized professional contexts.



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CB03. Be capable of evaluating and selecting the appropriate scientific theories and precise methodologies within their fields of study to formulate judgments based on incomplete or limited information, including, when necessary and relevant, reflection on the social or ethical responsibilities linked to the proposed solutions.

CB04. Be able to predict and control the evolution of complex situations through the development of new and innovative work methodologies adapted to the specific scientific/research, technological, or professional context—generally multidisciplinary—in which their activity is carried out.

CB05. Be able to communicate clearly and unambiguously to both specialized and non-specialized audiences the results of scientific and technological research or cutting-edge innovation, as well as the most relevant underlying principles.

CB06. Have developed sufficient autonomy to participate in research projects and scientific or technological collaborations within their field, in interdisciplinary contexts and, where appropriate, with a strong component of knowledge transfer.

CB07. Be able to take responsibility for their own professional development and specialization in one or more fields of study.

Resultados de Aprendizaje

LO1: Integrate into a real professional work environment, acquiring and practicing competences related to teamwork, individual responsibility, and professional discipline.

LO2: Develop projects within a professional context in the fields of motorsport, mobility, and safety, taking into account all relevant technical, regulatory, and ethical implications.

BLOQUES TEMÁTICOS Y CONTENIDOS

Contenidos – Bloques Temáticos

The objective of the Professional Internship is for the student to apply the knowledge acquired — or currently being acquired — to real tasks within the field of motorsport, mobility, and safety, and to gain experience in a professional environment by contributing to an ongoing project within one of the Master's partner companies. The internship will take place in a collaborating entity and will be supervised by an experienced professional from the sector.

This course may be recognized through prior professional experience in the field.

Partner companies of the Master's program will offer internship positions at the beginning of the academic year. These will be coordinated by the Internship Coordinator, who acts as the academic instructor of the course, matching students with companies according to their academic and professional preferences.

The Coordinator also supervises the quality and suitability of the tasks performed by the students in collaboration with the companies and is responsible for assigning the final grade for the course.

The minimum duration of the internship is three months.

METODOLOGÍA DOCENTE

Aspectos metodológicos generales de la asignatura



Metodología Presencial: Actividades

The student will join the development team of a real engineering project, supervised by the company internship tutor, and will prepare a final internship report for the Internship Coordinator at Comillas.

Professional internships will be assigned to students based on the offers provided by partner entities and the students' personal and professional preferences. Once an internship position has been assigned, a tutor from the collaborating entity will be appointed to help define the nature and objectives of the internship.

The overall internship program will be coordinated and supervised by the Comillas Internship Tutor, who will request the relevant reports from the Company Tutor overseeing the student's work.

The Comillas Internship Tutor will give final approval to the proposed internship, taking into account the informed opinions of faculty members from the program and, when appropriate, external experts.

EVALUACIÓN Y CRITERIOS DE CALIFICACIÓN

Evaluation Activities	Assessment Criteria
Performance Evaluation	Professional Competences: • Technical competence• Personal effectiveness• Time management• Practical creativity• Determination and perseverance• Initiative and autonomy• Commitment and engagement• Communication skills• Sense of responsibility Personal Competences: • Receptiveness to feedback• Interpersonal skills• Punctuality, attendance, and diligence• Adaptability• Relationship with supervisors• Teamwork and collaboration
Professional Internship Evaluation	The evaluation will consider the description of the company, the tasks carried out, conclusions drawn from the internship, personal reflections, and suggestions for improvement.

Calificaciones

Performance Evaluation 50%

Professional Internship Evaluation 50%

PLAN DE TRABAJO Y CRONOGRAMA

Actividades	Fecha de realización	Fecha de entrega
Development of the Professional Internship in the Company.	Minimum duration: three months	-
Preparation of the Internship Report	-	At the end of the Internship

BIBLIOGRAFÍA Y RECURSOS



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Bibliografía Básica

As indicated by the Company Internship Tutor

Bibliografía Complementaria

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