



FICHA TÉCNICA DE LA ASIGNATURA

Datos de la asignatura	
Nombre completo	Logística y Transporte Global/ Global Transportation & Logistics
Código	DIM-M2S-521
Créditos	3,0 ECTS
Carácter	Obligatoria
Departamento / Área	Departamento de Ingeniería Mecánica

Datos del profesorado	
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DATOS ESPECÍFICOS DE LA ASIGNATURA

Contextualización de la asignatura
Aportación al perfil profesional de la titulación
This course will focus on the demands and characteristics of current mobility. The course will provide an overview of how safe mobility

systems are implemented worldwide. The course will cover existing initiatives to implement road safety observatories in different regions of the world. A large proportion of the course will focus on special seminars discussing innovative forms of mobility.

Competencias - Objetivos

Resultados de Aprendizaje

The student will learn how traffic safety is managed in high-, middle- and low-income countries and the particularities of the different countries. The approach is to consider traffic related injuries as a global health problem so that efficient strategies can be implemented to save lives and prevent injuries. In parallel, the student will be exposed to seminars introducing other ways of transport different from road transport such as maritime, airway or railway.

BLOQUES TEMÁTICOS Y CONTENIDOS

Contenidos – Bloques Temáticos

Global mobility

- Mobility characteristics in different world regions
- Transport safety in Europe
- Road traffic injuries as a global health problem

Safety regulations worldwide: harmonization

Vehicles as working machines

Safety and mobility of motorcycles

Digital transformation of motor vehicle industry

Maritime transport

Railway transport

Airway transport

People transport

Road transport of goods

Carsharing

METODOLOGÍA DOCENTE

Aspectos metodológicos generales de la asignatura

100% In-person class teaching

EVALUACIÓN Y CRITERIOS DE CALIFICACIÓN

Standard evaluation at the end of the term:

- Course project on global mobility (50%)
- Quizzes from individual lectures (50%)

Additional evaluation during July (Retake):

- Course project on global mobility (50%)
- Quizzes from individual lectures (50%)

BIBLIOGRAFÍA Y RECURSOS

Bibliografía Básica

- Materials published by several international and national organizations, reporting on the status of road safety around the world (updated versions to be provided by course instructors).
- [Rune Elvik](#), [Truls Vaa](#), [Alena Hoye](#), [Michael Sorensen](#). The Handbook of Road Safety Measures: Second Edition, Emerald Group Publishing, 2009