

Materia 4_14: TIC for Smart Mobility and Supply Chain

Materia:	TIC for Smart Mobility & Supply Chain	ECTS:	15
Descriptor	<ul style="list-style-type: none"> Supply Chain modelling techniques: functional, behaviour,...: Supply Chain reference models (SCOR, SCMI,..), Supply chain operational model. Intra-company information systems: ERP, WMS, MES, BI, BA. Inter-company information systems: CRM, SRM, EDI, B2B, SCM. ETL process, selection process, implementation process, IT risks, change management Geographical information systems. Spatial Data Infrastructure. Geoprocessing. Digital Elevation Model. Network analysis. Geostatistics. Spatial models. Remote sensing 		
Objetivos generales	<p>This subject has the objective of providing concepts, techniques, methodologies and tools to model a supply chain successfully. Using reference models to speed up Supply chain model design. Analysis of data models to improve the operational model. To introduce GIS as the main tool for transport and territory modelling.</p>		
Competencia específica	<p>CE [4-14] Design a prototype of Information System given a supply chain context to improve the operational model and to design a spatial model for transport and territory planning and management.</p>		
Resultados de aprendizaje	<ul style="list-style-type: none"> Use methodologies, techniques and tools to develop supply chain models. Select the appropriate elements of the supply chain reference models to design and build its own supply chain model. Analyse the data of process models to improve the current supply chain model and operative system. Design and define a plan for the selection of information systems applications and a plan for their implementation in a supply chain context. Use spatial data infrastructure and GIS in transport and territory modelling. 		
Métodos de evaluación	<ul style="list-style-type: none"> Evaluation: Student participation, project, written test and academic work. Assessment instruments: rubrics, checklists and assessment scales. 		