

SUBJECT TEACHING GUIDE

608 - Traffic and Road Safety Engineering

Master's Degree in civil Engineering, Canal and Port Engineering

Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	Master's Degree in civil Engineering, Canal and Port Engineering			Type and Year	Optional. Year 2
Faculty	School of civil Engineering				
Discipline	SPECIALITY IN TRANSPORT, URBAN PLANNING AND LAND MANAGEMENT				
Course unit title and code	608 - Traffic and Road Safety Engineering				
Number of ECTS credits allocated	3	Term	Semester based (2)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. TRANSPORTES Y TECNOLOGIA DE PROYECTOS Y PROCESOS				
Name of lecturer	ANGEL VEGA ZAMANILLO				
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Other lecturers	MIGUEL ANGEL CALZADA PEREZ				

3.1 LEARNING OUTCOMES

- Signage design and road safety
- Calculation of the Level of service in road infrastructures
- Calculation of the Service Level in knots

4. OBJECTIVES

- Acquire knowledge related to road signage and safety
- Design road infrastructures
- Knowledge of urban traffic

6. COURSE ORGANIZATION	
CONTENTS	
1	-Road safety: indices and variables. -Vehicle containment systems: typology -Traffic calming -Signaling: -Theory of traffic in stable and unstable circulation .
2	-Capacity and service level of intersections regulated by STOP signs □-Capacity and level of service of roundabouts□-Capacity and level of service of intersections regulated by traffic lights .□-Coordination of traffic lights

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Theoretical proof	Written exam	No	Yes	40,00
Exercise proof	Others	No	Yes	40,00
Subject work	Work	No	No	20,00
TOTAL				100,00
Observations				
<p>Values in each recoverable test between 3.5 and 4.9, would allow to make the weighted average in both the ordinary and extraordinary call.</p> <p>The grades between 3.5 and 4.9 in the ordinary call are not maintained for the extraordinary call.</p> <p>- In the event that an early call is granted, the evaluation of the subject will be complete. It will consist of a theory part, with a weight of 40% of the final grade; and another of exercises with a weight of 40% total. In addition, a work with a weight of 20% of the total grade will be delivered. To be able to perform the average it will be necessary to obtain at least a 3.5 in each of the parts. No part of the subject will be released for future exams.</p> <p>Note: According to Royal Decree RD 1125/2003 on the European credit system and the qualification system in university degrees of an official nature and valid throughout the national territory , the results obtained by the student in each of the subjects of the curriculum will be graded according to the following numerical scale from 0 to 10, with an expression of one decimal place, to which may be added its corresponding qualitative rating:</p> <p>0.0-4.9: Suspense (SS). 5.0-6.9: Approved (AP). 7.0-8.9: Notable (NT). 9.0-10: Outstanding (SB).</p>				
Observations for part-time students				
<p>Part-time students will be able to examine the two recoverable tests in the ordinary and extraordinary calls.</p> <p>The work will be delivered at the end of the quarter.</p> <p>If a grade of at least 5 is achieved in any of the two tests of the ordinary call, it will be released for the extraordinary call.</p> <p>The conditions to pass the subject are the same as those included in the previous section of observations.</p>				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Apuntes de clase Normativa y Recomendaciones vigentes

