

**Title of the whole course:**

**Transport Planning (Pianificazione dei Trasporti)**

## **Safety and accident reduction**

**Name of the Educational Test Site:**

**DITS:** Department Hydraulics, Transport and Roads, Transport Area, University of Rome “La Sapienza” (Dipartimento Idraulica Trasporti e Strade, Area Trasporti, Università di Roma “La Sapienza”)

**Objective of the whole course**

The course aims at providing the students with the basic analysis tools on the:

- functional characteristics and performances of transport systems (supply models)
- demand for transport infrastructures and services
- the trip choice behaviour (demand models)
- way supply and demand reciprocally influence each other (supply-demand interaction models).

The course illustrates with applications, primarily referred to urban transport, how these tools can be used to design and assess infrastructure and organization policies on transport systems.

**Content of the whole course:**

- Definition of transport systems
- Transport policy formulation
- Supply and network models
- Random utility models
- Trip choice models
- Demand surveys and traffic counts
- Assignment models
- Assessment methodologies

**Which parts of PORTAL (project results) were taken up?**

Chapter 2 “Understanding Traffic Safety” of the PORTAL KT3 written materials and transparencies

**Which PORTAL material was used?**

Selected PORTAL transparencies and charts

<b>Separate / existing course</b>	Existing
<b>Optional / compulsory course</b>	optional
<b>Name of the corresponding curricula</b>	Degree in: Environmental Engineering and Land Use Planning (Ingegneria per l'Ambiente e il Territorio)
<b>Participants' level</b>	Students of both the three-year and five-year degrees
<b>Type of input</b>	Lecture
<b>Number of participants</b>	20
<b>Timing</b>	November 2002
<b>Exercises</b>	Specific case studies
<b>Language</b>	Italian

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Language of lecturer	Italian, English, Portuguese
<b>Fields of expertise</b>	Urban and inter-urban transport systems analysis and design, public transport systems, energy and environmental impacts of transport, innovative transport systems, logistics