

## **Master of Sciences – Transports and Urban Planning**

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The overall breadth and orientation of teaching at SDMI provides the ideal context for studying transport and urban planning as a contributor to sustainable development. In particular elements of the transport and spatial planning programmes are shared, enabling students qualifying in one to appreciate the workings and contribution of the other. The focus of both is with policy and practice in the Europe but drawing on international comparisons where relevant.

The transport and urban planning programme sets out to meet the requirements of people who wish to develop their academic capability through study of the subject and/or who are already embarked on, or envisage a career in, this field. It is designed to impart systematically the knowledge and skills needed to contribute effectively to the transport planning process and to utilise (and in the case of the MSc, conduct) original research on issues relating to it.

Central to the educational experience is group work in a studio setting, in which students collaborate in multidisciplinary teams to solve 'real-life' problems in Europe and the region. Equally important is the three- and six month professional internship, between the first and second year of study, in a planning field and geographic location of the students' own choosing. (Finding internship opportunities is the first part of the task.)

Our graduates are well equipped with the specialist knowledge, transferable skills and practical experience necessary to follow a wide range of career paths within urban & transport consultancies, industry, non-government organisations local and national government agencies.

### ***Organisation***

**Duration : 2 years - ECTS : 120 credits**

**Bilingual Program: French and English**

1 <sup>st</sup> YEAR	1 <sup>st</sup> Semestre	Ects	2 <sup>nd</sup> Semestre	Ects
	TUP 311 - Planning theory and policy analysis	4	TUP321 - Transport and Urban Economics	4
	TUP 312 - Principles and practice of urban design	4	TUP 322 - Traffic management techniques	4
	TUP 313 - Group Development Workshop	4	TUP 323 - Management and operation of public transport systems	4
	TUP 314 - Transport Policy	4	TUP 324 - Dissertation Methods	4
	TUP 315 - Planning and social theory	4	Choose 1 major course	9
	TUP 316 - Freight transport planning and management	4		
	TUP 317 - Project Management	4		
	LAN 318 - Language	2	Internsip of 3 Months	5
60 ECTS				
2 <sup>nd</sup> YEAR	3 <sup>rd</sup> Semestre	Ects	4 <sup>th</sup> Semestre	Ects
	TUP 411 - Geographic Information Systems	4	Internsip of 6 Months	30
	TUP 412 - Environmental impact assessment	4		
	TUP 413 - Rural and environmental planning	4		
	TUP 414 - Planning for Sustainable Cities	4		
	TUP 415 - Urban Policy and Planning	4		
	TUP 416 - Case Studies	4		
	TUP 417 - City-making: the Politics of Urban Form Project	4		
	LAN 414 - Language	2		
60 ECTS				

Choose 1 major course from the following topics: **Transport** ( intelligent transport systems and e-services - infrastructure, mobility and society - travel demand forecasting; road safety.- railway management, economics and planning - design of transport infrastructure ) - **Urban Planning** (Land Use Planning - Planning Project - Planning Methods - Structure of Cities - Urban Design Competition)

### **Conditions to get the degree**

- Student must to follow regularly all the courses - He/She had to attend their class work, project; exams required in each course - He/She must to get at least 12/20
- Attend and realize Internships in company - Memory
- Student must get the TOEIC with 750 points or an equivalent in french

**Tuition fee**

**8700 euros per year**