



Urban Logistics : understanding, modelling and simulating urban-freight



PROGRAM

	MON 13 TH MAR CLASSROOM V334	TUE 14 TH MAR CLASSROOM L218	WED 15 TH MAR CLASSROOM L218	THU 16 TH MAR CLASSROOM L218	FRI 17 TH MAR CLASSROOM L218
9h00 10h30	GENERAL INTRODUCTION S. TAMAYO, M. JANJEVIC (MINES, QALINCA LABS)	INTRODUCTION TO SIMULATION A. GAUDRON, S. JLASSI (MINES)	(10H - 11H30) WHOLESALE & DISTRIBUTING A. SCHNAPPER (POMONA GROUP)	SIMULATION CASE STUDY A. GAUDRON, S. JLASSI (MINES)	NEW TRENDS & PRODUCTS J. LIBESKIND (LOGICITES)
10h45 12h15	CONTEXT OF URBAN LOGISTICS M. JANJEVIC (QALINCA LABS)	SIMULATION IN URBAN LOGISTICS A. GAUDRON, S. JLASSI (MINES)	(11H30 - 13h00) SIMULATION CASE STUDY A. GAUDRON, S. JLASSI (MINES)	LCV CHALLENGES H. WIEDEMANN (RENAULT NISSAN)	QUIZ WINE & CHEESE
14h00 15h30	POOLING AND CONSOLIDATION M. JANJEVIC (QALINCA LABS)	OPERATIONS RESEARCH S. TAMAYO (MINES)	PARCELS: A GROWING TREND M. GULEA (LA POSTE)	UL, SMART CITIES & AUTONOMOUS CARS A. de La FORTELLE (MINES)	FREE
15h45 17h15	INTERNATIONAL BENCHMARK M. JANJEVIC (QALINCA LABS)	OP. RESEARCH CASE STUDY S. TAMAYO (MINES)	OP. RESEARCH CASE STUDY S. TAMAYO (MINES)	TEAM WORK (SIMULATION & R.O. CASE STUDIES)	FREE

PEDAGOGICAL OBJECTIVES

This course aims at providing an introduction to the main notions, stakes, difficulties and opportunities related to urban logistics. In this field, problems tend to be complex with many actors (residents, professionals and authorities) that often have contradictory objectives.

As this course is intended for undergraduate engineering students, an important part of it focuses on modelling and simulation tools, available to describe and predict the various ways in which urban logistics systems might react to changes (in policies, regulations, behaviours of actors, etc.).

The course is based on three specific objectives as follows:

- Understand why urban logistics cannot follow the same logic of management as “classical logistics”, especially in terms of massification choices, delays and inventory management.
- Analyze recent developments in the context of urban logistics in France and abroad (eg increase in the costs of land, multiplication of relay points, outburst of e-commerce, etc.).
- Introduce modelling and simulation tools available to engineers in order to propose thorough analysis and innovative solutions to problems in the field of urban logistics.