UCLouvain

mlsmm2251

2021

Modelling of Transport Systems

5.00 credits	30.0 h	Q1

Teacher(s)	Jourquin Bart ;
Language :	French
Place of the course	Mons
Prerequisites	/
Main themes	Classical four stages model, dynamic assignment, strategic models with case studies.
Learning outcomes	**At the end of this learning unit, the student is able to :** 1 On completion of this course, the student will be able to : (2.2) Describe the manner in which he would model transport flows of people or freight on a network presented in a case, based on the theoretical concepts covered in class. (2.5) Imagine new solutions to problems encountered when modeling a non-met example during the class. (3.1) Explain how to decompose a complex model by identifying sub-problems to be solved (3.2) Collect the necessary data to implement of a concrete problem that is presented to him (3.5) Participate in the resolution of a complex multi-faceted case study, in which networks are only an element. (5.2) Identify the different types of actors in a transport network in the framework of a socio-economic analysis. (7.1) Interpret the outputs of a transport model in order to identify the socio-economic benefits.
Bibliography	ORTÚZAR J., WILLUMSEN L. (2011), Modelling Transport, 4 th ed., Wiley.
Faculty or entity in charge	CLSM

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Environmental Bioengineering	BIRE2M	5		
Master [120] : Business Engineering	INGM2M	5		
Master [60] in Management	GESM2M1	5		
Master [120] in Management	GEST2M	5		
Master [120] in Business Management	GENT2M	5		
Master [120] in Management	GESM2M	5		
Master [120] : Business Engineering	INGE2M	5		