UCL Université catholique de Louvain

MQAHC2131
2014-2015

Recherche opérationnelle

6.0 credits	30.0 h + 10.0 h	2q

Teacher(s) :	Jomaux Franz ;
Language :	Français
Place of the course	Charleroi
Prerequisites :	/
Main themes :	Introduction to Operational research Model formulation Linear programming : -Graphic resolution -simplex algorithm - sensitivity analysis Integer programming Use of solvers
Aims :	- To model management problems such as work scheduling, blending problems, allocation of resources, implementation problems ... - to solve graphically a continuous linear problem with two decision variables - to Solve all types of continuous linear programs by the simplex algorithm - Explain and interpret the values of the simplex tableau - Analyze the final simplex table *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Cycle and year of study :	> Preparatory year for Master in Management (shift schedule)
Faculty or entity in charge:	BLSM