SIMULATION DE DÉCISIONS OPÉRATIONNELLES

PROCESS SIMULATION

Lecturers: **Sylvie MIRA, Emmanuel BOUTLEUX**

| Lecturers : 12.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 32.0 | Project : 0.0 | Language : FR

Objectives

The main objective is to model information flows within an organization (production system, logistics platform, administration, communication network, ...). Whether designing or analyzing an organization, the evaluation phase is an unavoidable step. Indeed, before making often heavy investments, it is imperative to ensure that the solutions envisaged meet the objectives. This course provides training on both the principles and tools of mathematical analysis and simulation tools for the specification, modeling and evaluation of information flows.
This course will focus on practical applications of Petri nets modeling and event simulation software such as

Keywords : Information flows analysis, operationnal simulation and optimisation

Programme	Methods and concepts explanation
	Simulation on Petri networks within Witness software

Learning outcomes

- Be able to use behaviour based models
- Be able to analyse a flow model
- Be able to use model results for decision

Independent study	Objectifs :	Competence acquisition on model and software
	Méhodes :	Group work on sotfware

Core texts

Assessment	Group work on projet