Specialisation
Decision making

AIDE À LA DÉCISION POUR L'ENTREPRISE

DECISION SUPPORT FOR BUSINESS

Lecturers: Sylvie MIRA, Delphine BILLOUARD, Grégory VIAL

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

Objectives

Keywords :

Programme

Learning outcomes

Independent study   Objectifs :

Méhodes :

Core texts

Assessment

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

FINANCE ET MARKETING

MARKETING AND FINANCES

Lecturers: **Sylvie MIRA**

| Lecturers : 12.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 24.0 | Project : 0.0 | Language : FR

Objectives

The course aims to bring deep insights of commercial and financial key performance indicators and competencies to design decision support tools for financial and commercial strategy

Keywords : key performance indicators, customer relationship management, corporate strategy

Programme
- Corporate finance
- Commercial strategy

Learning outcomes
- Be able to design key performance indicators (KPI)
- Be able to understand KPI to plan actions

Independent study

Objectifs :   Group work on KPI for corporate decision making

Méhodes :   Case studies

Core texts

Assessment

Case studies

PILOTAGE ET MANAGEMENT

DECISION SUPPORT SYSTEMS

Lecturers: **Sylvie MIRA**

| Lecturers : 16.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

The course aims to place the students in a situation of decision-making in a company by working on their cognitive process and to give them the keys to designing and implementing management systems.

Keywords : Cognitive process, risks, management

Programme	- Cognitiv process - Risk / decision anaysis - Management and dashboard
Learning outcomes	• Understand cognitive process activated in decision making • Design a financial dashboard • Assess financial impact of strategic decision
Independent study	Objectifs : Work group to understand analysed processes
	Méhodes : Case studies
Core texts	SELMER, C., *CONCEVOIR LE TABLEAU DE BORD*, DUNOD, 2015
Assessment	Case studies

PROJET ADE

PROJECT

Lecturers:　　　　**Sylvie MIRA**

| Lecturers : 0.0 | TC : 50.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : FR

Objectives

Keywords :

| **Programme** | Customised program to each project |

| **Learning outcomes** | • Be able to analyse an company's issue
• Be able to collect relevant data from technical aspects, markets and context
• Be able to implement a prospectiv anaysis
• Be able to communicate clear and justified solutions |

| **Independent study** | Objectifs :　Be able to bring within 3 monts a solution to a company's issue |

Méhodes :　Group work

Core texts

Assessment