

ADVANCED PROCESS ENGINEERING AND PROCESS MODELLING



Composante
UFR de
mathématiques
et
informatique
(UFR27)



Volume
horaire
30h



Période de
l'année
Automne

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Description

In the first part of the class, we discuss intention-oriented paradigm for process modeling. The meta-model MAP is used to explore intentional process modeling and we apply it in different case studies.

In the second part of the class, we discuss activity-oriented and state-oriented paradigms for process modeling. We discuss state machines and statecharts modeling for system specification. We define the limits of BPM and examine how the state-oriented paradigm can overcome these limits. We use YAKINDU statecharts tool for process modeling and simulation.

Keywords: Intentional process modeling; Product/Process; State machine; Statechart; Case management process

Objectifs

- To be able to construct a process on an intentional way.
- To understand different paradigms of process modeling and their use
- To master the statecharts modeling notation and tool

Pré-requis obligatoires

BPM, basics of state-oriented modeling, FSM