

# MODÈLES ET OUTILS POUR LES PROCESSUS

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ECTS  
4 crédits



Composante  
UFR de  
mathématiques  
et  
informatique  
(UFR27)



Volume  
horaire  
30h



Période de  
l'année  
Printemps

## plugin.odf:CONTENT\_PROGRAM\_TAB01\_TITLE

BPM, basics of state-oriented modeling, FSM

### 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

### Heures d'enseignement

Modèles et outils pour les processus - CM	Cours Magistral	15h
Modèles et outils pour les processus - TD	Travaux Dirigés	15h

### Pré-requis nécessaires