

# UE1 COMMON COURSES

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ECTS  
10 crédits



Composante  
UFR de  
mathématiques  
et  
informatique  
(UFR27)



Période de  
l'année  
Automne

## Liste des enseignements

Facultatif Matière Facultatif Obligatoire 00 Matière 30.0 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 Matière 30.0 Matière 30.0 This class proposes an introduction to Research Methodology. Whether you plan to pursue your career in a research team (R&D or Academic research team) or in an innovative competitive organisation, research methods allow for informed investigation and decision making in various areas. We will examine different (empirical) methods to be used in Research projects in technology, software engineering and IS domains. Matière 1.012.0