

**List of DMKM Courses**

YEAR	Semester	Code Course	TITLE	Type	Site Responsible	Duration	Tutoring	ECTS	Coordinator
Y E A R 1	SEMESTER 2	<b>Specialty "E-Science"</b>							
		S2-S1-UPMC	Scientific Discovery and Creativity	Local	UPMC	40	15	4	Jean-Gabriel Ganascia, Vincent Corruble
		S2-S2-UPMC	Opinion Mining and Technological Watch	Local	UPMC	40	15	4	Patrick Gallinari
		S2-S3-UPMC	Bioinformatics - Sequences, Tree and Graph Mining	Local	UPMC	40	15	4	Alessandra Carbone
		S2-S4-UPMC	Epistemology and History of Science	Local	UPMC	40	15	4	Anouk Barberousse
		S2-S5-UPMC	Case Study	Local	UPMC	40	15	4	Jean-Gabriel Ganascia
		<b>20</b>							
		<b>Specialty "Data Mining and Complex System Modelling, Application in Social Science"</b>							
		S2-S1-ULY2	Data Processing: Cleaning, Feature Selection, Feature Construction	Local	ULY2	40	15	4	Djamel Abdelkader Zighed
		S2-S2-ULY2	Complex Data Warehousing	Local	ULY2	40	15	4	Fadila Bentayeb
	S2-S3-ULY2	Mining Complex Data: Text, Image, Web...	Local	ULY2	40	15	4	Julien Velcin	
	S2-S4-ULY2	Modeling Complex Systems in Social Science	Local	ULY2	40	15	4	Stéphand Bonnevey	
	S2-S5-ULY2	Case Study	Local	ULY2	40	15	4	Djamel Abdelkader Zighed	
	<b>20</b>								
	<b>Specialty "Knowledge and Decision"</b>								
	S2-S1-EPUN	Ontology Engineering and Semantic Web	Local	EPUN	40	15	4	Mounira Harzallah	
	S2-S2-EPUN	Visual Data Mining	Local	EPUN	40	15	4	Pascale Kuntz	
	S2-S3-EPUN	Bayesian Networks	Local	EPUN	40	15	4	Philippe Leray	
	S2-S4-EPUN	Relational Pettern Mining	Local	EPUN	40	15	4	Fabrice Guillet	
	S2-S5-EPUN	Case study	Local	EPUN	40	15	4	Fabrice Guillet	
<b>20</b>									
<b>Specialty "Statistical Modeling and Data Mining"</b>									
S3-S1-UPC	Advanced Statistical Modeling	Local	UPC	40	15	4	Josep Ginebra		
S3-S2-UPC	Kernel-based Learning and Multivariate Modelling	Local	UPC	40	15	4	Tomàs Aluja		
S3-S3-UPC	Bioinformatics and Statistical Genetics	Local	UPC	40	15	4	Xavier Messeguer		
S3-S4-UPC	Statistical Processing of Natural Language	Local	UPC	40	15	4	Horacio Rodriguez		
S3-S5-UPC	Case study	Local	UPC	40	15	4	Tomàs Aluja		
<b>20</b>									
Y E A R 2	SEMESTER 3	<b>Specialty "Seamantic "Web"</b>							
		S3-S1-UPB	Multi-Agent Systems	Local	UPB	40	15	4	Adina Magda Florea
		S3-S2-UPB	Natural Language Processing	Local	UPB	40	15	4	Stefan Trausan Matu
		S3-S3-UPB	Data Mining	Local	UPB	40	15	4	Florin Radulescu
		S3-S4-UPB	Semantic Web Applications	Local	UPB	40	15	4	Stefan Trausan Matu
	S3-S5-UPB	Case study	Local	UPB	40	15	4	Stefan Trausan Matu	
	<b>20</b>								
	<b>Specialty "Relational Data Mining"</b>								
	S3-S1-UPO	Learning Graphical Models	Local	UPO	40	15	4	Attilio Giordana	
	S3-S2-UPO	Statistical Relational Learning	Local	UPO	40	15	4	Lorenza Saitta	
S3-S3-UPO	Image Data Mining	Local	UPO	40	15	4	Ugo Galassi		
S3-S4-UPO	Intelligent Data Analysis and Complex Systems	Local	UPO	40	15	4	Paolo Terenziani		
S3-S5-UPO	Case study	Local	UPO	40	15	4	Lorenza Saitta		
<b>20</b>									