

List of DMKM Courses

YEAR	Semester	Code Course	TITLE	Type	Site Responsible	Duration	Tutoring	ECTS	Coordinator		
Y E A R 1	SEMESTER 1	S1-C1-UPMC	Logic & Knowledge Representation	Common	UPMC	40	15	4	Jean-Gabriel Ganascia		
		S1-C2-UPC	Optimization	Common	UPC	40	15	4	Narcis Nabona		
		S1-C3-UPO	Probability & Statistics	Common	UPO	40	15	4	Lorenza Saitta		
		S1-C4-ULY2	Multidimensional Data Analysis	Common	ULY2	40	15	4	Sabine Loudcher		
		S1-C5-EPUN	Advanced Databases	Common	EPUN	40	15	4	Guillaume Raschia		
		S1-C6-UPB	Software Methodologies	Common	UPB	40	15	4	Luca Dan Serbanati		
		S1-C7-L	Language - French	Local	All	40	15	6	Local Coordinator of the site		
			Total Semester 1							30	
			S2-C1-UPMC	Symbolic Machine Learning	Common	UPMC	40	15	4	Vincent Corruble, Jean-Gabriel Ganascia	
			S2-C2-EPUN	Methodology and Tools for Research	Common	All	40	20	4	Fabien Picarougne	
			S2-C3-L	Language -French Free self learning - With Assesment	Local	ALL	40	15	2	Local Coordinator of the site	
			Total Semester 2							10	
			Specialty "E-Science"								
			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	
			Total Semester 2							20	
			Specialty "Data Mining and Complex System Modelling, Application in Social Science"								
			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		
		Total Semester 2							20		
		Specialty "Knowledge and Decision"									
		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 Patter Mining	Local	EPUN	40	15	4	Fabrice Guillet		
		S2-S5-EPUN	Case study	Local	EPUN	40	15	4	Fabrice Guillet		
		Total Semester 2							20		
		Total Semester 2							30		
		Total Year 1							60		
Y E A R 2	SEMESTER 3	S3-C1-UPC	Information Retrieval	Common	UPC	40	15	4	Ricard Gavalà		
		S3-C2-ULY2	Numerical Machine Learning	Common	ULY2	40	15	4	Stéphane Lallich		
		S3-C3-L	Language - Local language according to the site of assignment	Local		40	15	2	Local Coordinator of the site		
			Total Semester 3							10	
			Specialty "Statistical Modeling and Data Mining"								
			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	
			Total Semester 3							20	
			Specialty "Seamantic "Web"								
			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, Vlad Po	
			S3-S5-UPB	Case study	Local	UPB	40	15	4	Stefan Trausan Matu, Vlad Po	
			Total Semester 3							20	
			Specialty "Relational Data Mining"								
			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		
		Total Semester 3							20		
		Total Semester 3							30		
		SA-1	Internship in private or public lab					30			
		Total Semester 4							30		
		Total Year 2							60		