Studies Plan

Humanités digitales 2025-26

Block 1

Lang.	Code	Sect.	Teacher	Specialization	Master 1 C	En	L	T	P	I	Master 2 C	E	L	T	P	I	Exam Session	Exam	Credit
	Applied data analysis																		
E	CS-401	SC	Brbic		2h				2h								Win	Written	8
	Computational Social Media																		
E	DH-500	DH	Gatica-Perez								2h				1h		Sum	During the semester	4
	Foundations of digital humanities																		
E	DH-405	DH	Kaplan		4h				2h								Win	During the semester	6
	Historical Document and Media Processing																		
E	DH-400	DH	Ehrmann		2h	2h											Win	During the semester	4

Block 2

Lang.	Code	Sect.	Teacher	Specialization	Master 1 C	En	L	T	P	I	Master 2 C	E	L	T	P	I	Exam Session	Exam	Credit
	HSS : Project	SHS															Sum		3
	Cultural data sculpting																		
E	DH-404	DH	Kenderdine								2h				3h		Sum	During the semester	5
	Design research for digital innovation																		
E	DH-411	DH	Henchoz		2h	1h			2h								Win	During the semester	5
	Digital musicology																		
E	DH-401	DH	Rohrmeier								3h				2h		Sum	During the semester	6
	History and the digital																		
E	DH-412	DH	Baudry								2h				3h		Sum	During the semester	5
	HSS : Introduction to project	SHS															Win		3

Group "options"

Lang.	Code	Sect.	Teacher	Specialization	Master 1 C	En	L	T	P	I	Master 2 C	E	L	T	P	I	Exam Session	Exam	Credit
	Advanced computer graphics																		
E	CS-440	IN	Jakob								2h	1h			1h		Sum	During the semester	8
	AI for urban history																		
E	URB-409	SIE	Di Lenardo								3h	1h					Sum	During the semester	4
	AI product management																		
E	CS-500	IN	Kaboli Zamir		2h	2h			3h								Win	During the semester	6
	Automatic speech processing																		
E	EE-554	EL	Magimai Doss		2h	2h											Win	Written	4
	Causal inference																		
E	MGT-416	MTE	Kiyavash								2h	1h					Sum	During the semester	4
	Causal thinking																		
E	MATH-352	MA	Stensrud		2h	2h											Win	Written	5
	Computers and music																		
E	COM-418	SC									2h	1h					Sum	Oral	6

C : Course, E : Exercise, L : Lab, TP : Practical work, P : Course based project, I : Individual project, * : option course / F : French courses, D : Deutsch courses, E : English Courses / Sum : Summer, Win : Winter

Type	Course / Code	Section	Professor	Winter		Summer		Semester	Exam	Credits
E	**Computer vision** CS-442	IN	Fua			2h 1h		Sum	Written	6
E	**Data visualization** COM-480	SC	Vuillon			2h	2h	Sum	During the semester	6
E	**Deep learning** EE-559	EL	Cavallaro			2h 2h		Sum	During the semester	4
E	**Deep reinforcement learning** CS-456	IN				2h 1h 1h		Sum	Written	6
E	**Digital education** CS-411	IN	Dillenbourg Jermann Käser	2h	2h			Win	Written	6
E	**Distributed information systems** CS-423	SC		2h 1h	1h			Win	Written	6
E	**Ethics and law of AI** DH-415	DH	Rochel	2h	2h			Win	During the semester	4
E	**Experience design** CS-489	IN	Huang	2h	4h			Win	During the semester	6
E	**Foundations of Data Science** COM-406	IN	Gastpar	4h 2h				Win	Written	8
E	**Game design & prototyping** DH-414	DH	Javet			2h	1h	Sum	During the semester	4
E	**Image processing for Earth observation** ENV-540	SIE	Tuia	2h 1h	1h			Win	During the semester	4
E	**Image processing I** MICRO-511	MT	Unser Van De Ville	2h 1h				Win	Written	3
E	**Image processing II** MICRO-512	MT	Sage Unser Van De Ville			2h 1h		Sum	Written	3
E	**Interaction design** CS-486	IN	Pu			2h 1h	1h	Sum	During the semester	6
E	**Introduction to IT consulting** CS-491	IN	Regev			6h		Sum	Oral	6
E	**Introduction to natural language processing** CS-431	IN	Bosselut Chappelier Rajman	2h 2h				Win	Written	6
E	**Large-scale data science for real-world data** COM-490	SC	Bouillet Delgado Sarni Verscheure				4h	Sum	During the semester	6
E	**Machine learning** CS-433	IN	West	4h 2h	2h			Win	Written	8
E	**Machine learning for behavioral data** CS-421	IN	Käser			2h	2h	Sum	Written	6
E	**Management of intellectual property** MGT-404	MTE	de Rassenfosse			1.5h	.5h	Sum	Written	3
E	**Media security** EE-552	EL	Ebrahimi			2h 1h		Sum	Written	6
E	**Modern natural language processing** CS-552	IN	Bosselut			3h 1h	2h	Sum	During the semester	8
E	**Network machine learning** EE-452	EL	Frossard Thanou			2h	2h	Sum	During the semester	4

Lang.	Code	Sect.	Teacher				Exam Session	Exam	Credit
Reinforcement learning									
E	EE-568	EL	Cevher	2h 2h	2h		Sum	During the semester	6
Science and technology in urban transformation									
E	URB-407	SIE	Baudry Graezer Bideau	1h	2h		Sum	During the semester	3
Semester project in digital humanities									
E	DH-413(b)	DH	Profs divers	2h		2h	Sum Win	During the semester	12
Semester project Minor DH, Media & Society									
E	DH-407	DH	Profs divers	2h		2h	Sum Win	During the semester	12
Strategic marketing & technology commercialization									
E	MGT-401	MTE	Eckardt	3h			Win	During the semester	4
Systems for data management and data science									
E	CS-460	IN	Ailamaki Kermarrec	2h 2h 2h			Sum	Written	8
Technology, sustainability and public policy									
E	MGT-450	MTE	Aklin	2h 2h			Win	Written	4
Technology & innovation strategy									
E	MGT-414	MTE	Fernandes Rodrigues Alves	1.5h	.5h		Sum	During the semester	3
Urban digital twins									
E	URB-410	SIE	Kaplan	3h	1h		Sum	During the semester	4
Visual intelligence									
E	CS-503	IN	Zamir	2h 1h	1h		Sum	During the semester	6

Master project

	Courses				Master 1		Master 2		MP Autumn		MP Spring		Exam Session	Exam	Credit
Lang.	Code	Sect.	Teacher	Specialization	C E L T P I		C E L T P I		C E L T P I		C E L T P I				
Engineering internship credited with Master Project (master in Digital Humanities)															
E	DH-491	DH	Profs divers		320h		320h		320h		320h		Sum Win	During the semester	0
Master project in digital humanities															
	DH-499	DH	Profs divers						900h		900h		Sum Win	Oral	30