

## Studies Plan

### EDLS - Learning Sciences 2023-24

#### Core courses

Courses			Exam		Credit
Language	Code	Section	Teacher		
<b>Designing activities for developing and assessing computational thinking skills</b> (Cancelled until further notice)					
E	LEARN-602	EDLS	Mondada Piatti	Oral	3
<b>Introduction to Methods in Learning Sciences 1</b> (Next time: Fall 2023)					
E	LEARN-610	EDLS	Dillenbourg Kapur	During the semester	2
<b>Introduction to Methods in Learning Sciences 2</b> (Next time: spring 2024)					
E	LEARN-611	EDLS	Dillenbourg Kapur	During the semester	2
<b>JDPLS Summer school</b> (Next time: Sept. 2023)					
E	LEARN-701	EDLS	Dillenbourg Kapur	Oral	1
<b>JDPLS Winter school</b> (Next time : July 8-10 2024)					
E	LEARN-700	EDLS	Dillenbourg Kapur	Oral	1
<b>Theoretical Foundations of Learning Sciences 1</b> (Next time: fall 2023)					
E	LEARN-600	EDLS	Dillenbourg Kapur	During the semester	2
<b>Theoretical Foundations of Learning Sciences 2</b> (Next time: spring 2024)					
E	LEARN-601	EDLS	Dillenbourg Kapur	During the semester	2

#### Other doctoral courses (EDOC)

Courses			Exam		Credit
Language	Code	Section	Teacher		
<b>Topics in Computational Social Science (TopiCSS)</b> (Next time: Spring 2024)					
E	CS-727	EDIC	West	Multiple	2
<b>Topics in Machine Learning for Education</b> (Not offered this year)					
E	CS-702	EDIC	Käser	Oral	2

#### Master courses

Courses			Exam		Credit
Language	Code	Section	Teacher		
<b>Applied data analysis</b>					
E	CS-401	SC	West	Written	8
<b>Computational Social Media</b>					
E	DH-500	DH	Gatica-Perez	During the semester	4
<b>Data visualization</b>					
E	COM-480	SC	Vuillon	During the semester	6
<b>Deep learning</b>					
E	EE-559	EL	Cavallaro	During the semester	4
<b>Digital education</b>					
E	CS-411	IN	Dillenbourg Jermann	Written	6
<b>Distributed information systems</b>					
E	CS-423	SC	Aberer	Written	6

**Foundations of digital humanities**

E	DH-405	DH	Kaplan	During the semester	6
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**How people learn: Designing Learning Tools I**

(Une seule inscription à un cours SHS+MGT autorisée. En cas d'inscriptions multiples elles seront toutes supprimées sans notification.)

E	HUM-432	SHS	Kotluk Tormey	During the semester	3
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**How people learn: Designing Learning Tools II**

(Une seule inscription à un cours SHS+MGT autorisée. En cas d'inscriptions multiples elles seront toutes supprimées sans notification.)

E	HUM-433	SHS	Kotluk Tormey	During the semester	3
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**Human computer interaction**

F	CS-213	IN	Egger	Written	5
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**Information security and privacy**

E	COM-402	IN	Payer	Written	8
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**Intelligent agents**

E	CS-430	IN	Faltings	During the semester	6
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**Introduction to natural language processing**

E	CS-431	IN	Bosselut Chappelier Rajman	Written	6
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**Machine learning**

E	CS-433	IN	Flammarion Jaggi	Written	8
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**Machine learning for behavioral data**

(pas donné en 2023-24)

E	CS-421	IN		Written	6
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**Machine learning for DH**

E	DH-406	DH	Salzmann	Written	4
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**Social media**

(Pas donné en 2023-24)

E	EE-593	EL		During the semester	2
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**Virtual reality**

E	CS-444	IN	Bouluc	During the semester	6
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