## **Studies Plan**

## Mineur : Statistique 2025-26

Minor : Statistics

	Courses			Exam Session	Exam	Credit			
Lang.	Code	Sect.	Teacher						
E	Algorithms II CS-450	IN	Kapralov	Win	Written	8			
	Applied biosta	atistics							
Ε	MATH-493	MA		Sum	During the semester	5			
	Applied data a	ınalysis							
<u>E</u>	CS-401	SC	Brbic	Win	Written	8			
E	Applied statist MATH-516	tics <i>MA</i>	Mhalla	Sum	During the semester	5			
E	Biostatistics MATH-449	MA		Sum	Written	5			
	Computationa		algebra	Gam	William				
E	MATH-453	MA	Kressner	Sum	Written	5			
	Computationa								
	transport	•							
E	MATH-528	MA	Chizat	Sum	Written	5			
	Convex optim	ization							
E	MGT-418	MTE	Kuhn	Win	Written	5			
	Data visualiza								
E	COM-480	SC	Vuillon	Sum	During the semester	6			
_	Deep learning			_					
E	EE-559	EL	Cavallaro	Sum	During the semester	4			
	Deep reinforce	ement le	earning						
E	CS-456	IN		Sum	Written	6			
	Derivatives								
<u>E</u>	FIN-404	IF	Hugonnier	Sum	Written	6			
_	Empirical prod		Limniaa	Cum	Millon	_			
<u>E</u>	MATH-522 Exploratory da	MA	Limnios	Sum	Written	5			
	environmental		y SIS III						
E	ENV-444	SIE	Joost	Win	During the	4			
_		0.2	Nehme		semester	•			
	Financial big o	data							
E	FIN-525	IF	Challet	Win	During the	3			
					semester				
	Foundations of		Science						
E	COM-406	IN	Gastpar	Win	Written	8			
_	Gaussian prod			147	o ,	_			
<u>E</u>	MATH-426	MA	Aru	Win	Oral	5			
Е	Genetics and g BIO-373	SV	Deplancke	Win	Written	4			
_	ыо-575	31	Waszak	VVIII	vviilleii	7			
	Genomics and	l bioinfo							
E	BIO-463	SV	Bitbol	Sum	During the	4			
_	2.0 .00	٠.	Luisier	<b>J</b>	semester	•			
			Rougemont						
	Information security and								
	privacy	-							
E	COM-402	IN	Payer	Win	Written	8			
	Learning theo	•							
<u>E</u>	CS-526	IN	Macris	Sum	Written	6			
	Machine learn								
_	behavioral dat		Väser	Cum	14/0:44	6			
<u>E</u>	CS-421	<u>IN</u>	Käser	Sum	Written	6			
E	Markov chains MATH-332	MA	Mountford	Sum	Written	5			
<u>-</u>	Martingales in			Julii	VVIIIIGII	<u> </u>			
	mathematics	····aiioi							
E	MATH-470	MA	Schmutz	Sum	Oral	5			

	Mathematical behavior	modelli	ng of								
Ε	MATH-463	MA	Bierlaire	Win	Written	5					
	Mathematics of data: from										
_	theory to computation										
<u>E</u>	EE-556	EL	Cevher	Win	Written	6					
_	Measure theor	•			144.60	_					
E	MATH-303	MA	Ackelsberg	Win	Written	5					
_	Multivariate st		_	C	14/2:44	_					
<u>E</u>	MATH-444	MA	Panaretos	Sum	Written	5					
	Nonparametric and inference	c estima	ation								
E	MATH-524	MA	Chandak	Sum	Written	5					
<u></u>				Sum	vviilleii	<u>J</u>					
	Nutrition: from molecules to health										
Ε	BIO-441	SV	Descombes	Win	During the	4					
_	2.0	•	Hager	••	semester	•					
			Rezzi		0011100101						
	Optimization for machine										
	learning										
Ε	CS-439	IN	Flammarion	Sum	Written	8					
			Jaggi								
	Probability and stochastic										
	calculus										
<u>E</u>	FIN-415	IF	Perazzi	Win	Written	6					
	Probability the										
E	MATH-432	MA	Mountford	Win	Written	5					
_	Randomizatio			_		_					
<u>E</u>	MATH-336	MA	Sturma	Sum	Written	5					
	Randomized n	natrix									
_	computations	1.44		147	01	_					
E	MATH-403	MA		Win	Oral	5					
_	Regression m		Limniaa	Min	14/vitto p	E					
<u>E</u>	MATH-408	MA	Limnios	Win	Written	5					
	Risk and envir	onmen	tai								
E	sustainability MATH-383	MA	Mhalla	Win	Written	5					
	Sensing and s			*****	vviittori	-					
	for earth obse		loacing								
Ε	ENV-408	SIE	Berne	Sum	Written	5					
_		0	Skaloud	<i>-</i>							
			Tuia								
	Statistical ana	lysis of									
	network data	•									
Ε	MATH-448	MA	Olhede	Win	Written	5					
	Statistical con	nputatio	n and								
	visualisation										
Ε	MATH-517	MA	Mhalla	Win	During the	5					
					semester						
_	Statistical infe				144.60	_					
E	MATH-562	<u>MA</u>	Chandak	Win	Written	5					
_	Statistical mad			147	14/-24/	_					
E	MATH-412	MA	Obozinski	Win	Written	5					
	Ctatiatian the	or.,	Zemel								
E	Statistical the MATH-442	MA	Zemel	Sum	Written	5					
<u></u>				Sum	vviilleii	<u>J</u>					
	Statistics for genomic data analysis										
E	MATH-474	MA		Sum	During the	5					
_	WATTE	IVIA		Gum	semester	J					
	Stochastic sin	nulation	)		Comotor						
Ε	MATH-414	MA	Nobile	Win	Written	5					
	Theory of stoo			*****	***************************************						
Ε	MATH-431	MA	Dalang	Win	Written	5					
	Time series										
E	MATH-342	MA	Olhede	Sum	Written	5					
	Topics in mac										
E	MATH-520	MA	Chizat	Win	Written	5					