Studies Plan

Génie civil 2025-26

Block "Cross-disciplinary team projects"

	Courses			Exam Session	Exam	Credit
Lang.	Code	Sect.	Teacher			
	Semaine ENA	С				
F		ENAC		Sum		4
	Unités d'ensei	ignemer	nt ENAC			
F		ENAC		Sum		4

Block 1

	Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit
Lang. (Code	Sect.	Teacher	СЕЬТРІ	CELTPI	CELTPI	CELTPI			
	Analysis III									
F I	MATH-203(b)	MA	Strütt	2h 2h				Win	Written	4
	Analysis IV									
ΕI	MATH-207(d)	MA	Braun		2h 2h			Sum	Written	4
I	Introduction to	o optimi	ization							
a	and operations	s resea	rch							
E I	MATH-265	GC	Bierlaire	2h 2h				Win	Written	4
1	Probability and	d statis	tics							
F I	MATH-234(a)	MA	Ruffieux	2h 1h				Win	Written	3

Block 2

	Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit
Lang	. Code	Sect.	Teacher	CELTPI	CELTPI	CELTPI	CELTPI			
	Continuum m	echanic	s (for							
	GC)		-							
F	CIVIL-225	GC	Molinari	3h 2h				Win	Written	5
	Engineering a	sustair	nable							
	built environn	nent								
Ε	CIVIL-239	GC	Sonta	2h 1h				Win	Written	3
	Fluids mecha	nics (Fo	or GC)							
F	CIVIL-210	GC	Ancey		3h 2h			Sum	Written	5
	Structural me	chanics	(for							
	GC)									
Е	CIVIL-238	GC	Vassilopoulos		2h 2h			Sum	Written	4

Block 3

	Courses			Bachelo	or 3	Bachelo	r 4	Bachelo	or 5	Bachelor 6	Exam Session	Exam	Credit
Lang.	Code	Sect.	Teacher	CEL	ТРІ	CEL	ТРІ	CEL	ТРІ	CELTPI			
-	Fundamental climate	s of ind	oor										
E	CIVIL-212	GC	Licina	1h 1h							Win	During the semester	2
F	Geology CIVIL-211	GC	Müntener Vanardois Violay	2h 1h	1h						Win	Written	4
	Introduction learning for e												
Е	CIVIL-226	GC	 Alahi Fink			2h 3h					Sum	During the semester	5
	Introduction	to trans	portation										
Е	systems CIVIL-355	GC	Bierlaire			2h 1h					Sum	During the semester	3
	Soil mechani through poro												
Е	CIVIL-203	GC	Karapiperis			3h 2h	1h				Sum	Written	5

	Courses			Ba	chelo	or 3		Ba	chel	or 4		Bac	chelo	or 5		Bache	elor	6	Exam Session	Exam	Credit
Lang	Code	Sect.	Teacher	С	FI	T	D I	С	FI	т	PI	C	FI	ТР	1	CE	1	трі			
Lang	Design of stee			0		' '		0		'	, ,	0			,		L	, , ,			
F	CIVIL-235	GC	Nussbaumer													3h 2h			Sum	Written	5
	Geotechnical	engine	ering																		
F	CIVIL-306	GC	Möri													3h 2h			Sum	Written	5
	Hydraulic eng	ineerin	g and																		
	infrastructure	s	-																		
Ε	CIVIL-312	GC	Musa									3h 2	2h						Win	Written	5
	Numerical ana	alysis																			
E	MATH-251(a)		Olikier									2h ⁻	1h						Win	Written	3
	Numerical mo																				
	solids and str																				
F	CIVIL-321	GC	Anciaux													2h 1h		1h	Sum	Written	4
			Molinari																		
	Reinforced co	ncrete																			
	structures																				
E	CIVIL-323	GC	Ruggiero									3h 2	2h						Win	Written	5
	Rock mechan																				
F	CIVIL-308	GC	Sandrone									3h 2	2h						Win	Written	5
			Vacat																		
			Violay																		
	Traffic engine																				
Е	CIVIL-349	GC	Geroliminis									2h 2	2h						Win	During the	4
	Urban public t	ranspo	rt																	semester	
	systems	anopo																			
Е	CIVIL-324	GC	Zhang													2h 1h			Sum	During the	3
-	01112 324	00	Znang													211 111			Guin	semester	5
	Urban thermo	dvnami	cs																	001100101	
Е	CIVIL-309	GC	Khovalyg									1h ⁻	1h 1h						Win	During the	3
-	0.71L 000	50	, alovalyg											•						semester	5

Block 5

	Courses			Bachelor 3	Bachelor 4	Bachelor 5	Bachelor 6	Exam Session	Exam	Credit
Lang.	Code	Sect.	Teacher	CELTPI	CELTPI	CELTPI	CELTPI			
	Project in civil	engine	eering							
F	CIVIL-390	GC	Profs			5h	5h	Sum	During the	5
			divers					Win	semester	

Block 6

	Courses			Bachelor 3		Bachele	or 4	Bachel	or 5		Bach	elor	5	Exam Session	Exam	Crea
Lang.	Code	Sect.	Teacher	CELT	ΡΙ	CEL	ТРІ	CEL	Т	ΡI	СЕ	L 7	PI	06331011		
-	Data Science	for														
	infrastructure	condit	ion													
	monitoring															
E	CIVIL-332	GC	Fink								2h 1ł	ו		Sum	During the semester	3
	Dimensioning	g of Tim	ber													
	structures															
F	CIVIL-331	GC	Natterer					2h 1h						Win	Written	3
	Estimation m															
F	ENG-267	SIE	Skaloud					2h 2h						Win	Written	4
	Geographic in	nformat	ion													
_	system (GIS)													_		
F	ENV-342	SIE	Joost								2h 2ł	า 1	h	Sum	Written	5
_	Heat and mas													-		
E	ME-341	GM	Tagliabue								3h 1ł	۱		Sum	Written	4
_	Hydrology for															_
E	ENV-221	SIE	Bonetti					2h 2h		1h				Win	Written	5
	Numerical rep	presenta	ation /													
F	BIM CIVIL-307	GC	Domer								2h 1ł	ı		Sum	During the semester	3
	Signals, instr systems	uments	and													
E	ENG-366	SIE	Martinoli								2h	2h	1h	Sum	Written	5

	Courses			Exam Session	Exam	Credit
Lang.	Code	Sect.	Teacher			
	SHS : Bachelo	r cycle	BA6			
F		SHS				2
	HSS : Bachelo	r cycle	BA5			
F		SĤS				2
	HSS : Bachelo	r cycle	BA4			
F		SĤS				2
	HSS : Bachelo	r cycle	BA3			
F		SĤS				2