Studies Plan

Génie civil 2023-24

Block "Cross-disciplinary team projects"

	Courses			Exam Session	Exam	Credit
Language	Code	Section	Teacher			
	Semaine ENA	C				
F		ENAC		Sum		4
	Unités d'ensei	gnement ENAC				
F		ENAC		Sum		4

Block 1

	Courses			Ва	che	lor 3	Ва	che	lor 4	Ba	ache	lor 5	Ва	che	or 6	Exam Session	Exam	Credit
Language	e Code	Section	Teacher	1	е	p	1	е	p	1	е	р	1	е	р			
	Analysis III																	
F	MATH-203(b)	MA	Strütt	2h	2h											Win	Written	4
	Fundamentals	of indoor climate																
Ε	CIVIL-212	GC	Licina	1h	1h											Win	During the semester	2
	Introduction to	o optimization and ope	erations															
	research																	
E	MATH-265	GC	Bierlaire	2h	2h											Win	Written	4
	Probability an	d statistics																
F	MATH-234(a)	MA	Zemel	2h	1h											Win	Written	3

Block 2

	Courses			Ва	che	lor 3	Bá	che	lor 4	В	ach	elor 5	Ba	ache	elor 6	Exam Session	Exam	Credit
Language	e Code	Section	Teacher	1	е	р	1	е	р	1	е	р	1	е	p			
	Continuum m	echanics (for GC)																
F	CIVIL-225	GC	Molinari	2h	2h											Win	Written	3
F	Geology CIVIL-211	GC	Müntener Pilet Violay	3h		1h										Win	During the semester	4
	Introduction t	o machine learning fo	r															
E	engineers CIVIL-226	GC	Alahi Fink				2h	3h								Sum	During the semester	5
E	Structural me CIVIL-238	chanics (for GC) GC	Vassilopoulos	2h	2h											Win	Written	4

Block 3

	Courses				che	lor 3	Ва	che	lor 4						Exam Session	Exam	Credit	
Language	e Code	Section	Teacher	1	е	р	1	е	р	1	е	p	1	е	р	00001011		
	Design of ste	el structures																
F	CIVIL-235	GC	Nussbaumer				3h	2h								Sum	Written	5
	Fluids mecha	nics (For GC)																
F	CIVIL-210	GC	Ancey				3h	2h								Sum	Written	5
	Fundamental	s of geomatics																
F	ENV-140	SIĒ	Gilliéron Tuia				1h	1h								Sum	During the semester	2
	Introduction	to transportation sy	stems															
Ε	CIVIL-355	GC .	Bierlaire				2h	1h								Sum	During the semester	3
	Soil mechani	cs and Groundwate	r seepage															
F	CIVIL-203	GC	Vulliet				3h	2h	1h							Sum	Written	5
	Statics II																	
F	CIVIL-224	GC	Vurpillot				2h	2h								Sum	Written	4

Block 4

	Courses			Ва	che	lor 3	Ва	che	lor 4	Ва	che	lor 5	Ba	ache	lor 6	Exam Session	Exam	Credit
Language	e Code	Section	Teacher	1	е	р	1	е	p	1	е	р	1	е	р			
	Dimensioning	of Timber structures																
F	CIVIL-331	GC	Natterer							2h	1h					Win	Written	3
-	Numerical and	alysis																
Ε	MATH-251(a)	MA	Antolin Sanchez Sande							2h	1h					Win	Written	3
	Reinforced co	ncrete structures																
E	CIVIL-323	GC	Ruggiero							3h	2h					Win	Written	5
	Rock mechan	ics																
F	CIVIL-308	GC	Sandrone Violay							3h	2h					Win	Written	5
	Traffic engine	ering																
Ε	CIVIL-349	GC	Geroliminis							2h	2h					Win	During the semester	4
	Urban Thermo	odynamics																
Е	CIVIL-309	ĞC								2h	1h					Win	During the semester	3

Block 5

	Courses			Ra	cho	lor 3	Ra	cho	lor 4	R	ache	elor 5	Ra	cho	lor 6	Exam	Exam	Credit
	Courses			Ба	CHE	101 3	Ба	CHE	101 4	D	acrie	:101 3	Ба	CHE	101 0	Session	Exalli	Credit
Language	e Code	Section	Teacher	1	е	р	1	е	p	1	е	р	1	е	р			
	Geotechnical	engineering																
F	CIVIL-306	GC	Lecampion										3h	2h		Sum	Written	5
	Hydraulic stru	ictures and schemes																
F	CIVIL-312	GC	De										3h	2h		Sum	Written	5
			Cesare															
			Manso															
	Numerical mo	delling of solids and																
	structures	_																
F	CIVIL-321	GC	Anciaux										2h	2h		Sum	Written	4
			Molinari															
	Project in civi	I engineering																
F	CIVIL-390	GČ	Profs												6h	Sum	During the	6
			divers														semester	
	Urban public	transport systems																
E	CIVIL-324	GC	Zhang										2h	1h		Sum	During the semester	3

Block 6

	Courses			R	ache	lor 3	Ra	che	lor 4	Ra	che	lor 5	Ra	che	lor 6	Exam	Exam	Credi
	Courses				20110			10//0	101 4	24	0110		Du	0,,0	101 0	Session	LXUIII	O, cu,
Language	e Code	Section	Teacher	1	е	р	1	е	р	1	е	р	1	е	р			
	Analysis IV					•			-			•			•			
F	MATH-207(d)	MA	Basterrechea										2h	2h		Sum	Written	4
	Bridge design	and equipment																
F	CIVIL-335	GC	Burdet										2h	1h		Sum	Oral	3
	Data Calanaa	for infrastructure o	Nussbaumer															
	monitoring	for infrastructure c	Unuition															
E	CIVIL-332	GC	Fink										2h	1h		Sum	During the	2
_	CIVIL-332	GC	FILIK										211	111		Sum	semester	3
	Estimation me	ethods																
F	ENG-267	SIE	Skaloud							2h	2h					Win	Written	4
	Geographic in	formation system	(GIS)															
F	ENV-342	SIE	Joost										2h	2h	1h	Sum	Written	5
	Heat and mass	s transfer																
E	ME-341	GM	Tagliabue										3h	1h		Sum	Written	4
	Hydrology for	engineers																
E	ENV-221	SIE	Bonetti							3h	2h					Win	Written	5
			Rinaldo															
	Numerical rep	resentation / BIM																
F	CIVIL-307	GC	Domer										2h	1h		Sum	During the semester	3
	Signals, instru	iments and system	ıs															
E	ENG-366	SIE	Martinoli							2h	3h					Win	Written	5

Transverse block HSS

	Courses			Exam Session	Exam	Credit
Language	e Code	Section	Teacher			
	SHS : Bachelo	or cycle BA6				
F		SHS				2
	HSS : Bachelo	or cycle BA5				
F		SHS				2
	HSS : Bachelo	or cycle BA4				
F		SHS				2
	HSS : Bachelo	or cycle BA3				
F		SHS				2