Studies Plan

Mineur : Ingénierie pour la durabilité 2024-25

Minor in Engineering for sustainability (.)

Language	Courses Code	Section	Teacher	Exam Session	Exam	Credit
	Air pollution					
E	ENV-409	SIE	Reimann Bhend Takahama Violaki	Sum	Written	5
	Behind/Beyond future cities					
E	AR-496	AR	Coccolo Mauree	Sum	Oral	3
	Building design in the circular economy					
E	AR-497	AR	Bastien Masse Fivet	Win	Written	3
	Catalysis for energy storage					
E	CH-421	CGC	Hu	Win	During the semester	3
	City and mobility					
F	AR-458	AR	Drevon Gwiazdzinski Ravalet	Sum	Written	3
	Computational systems thinking for sustainable eng.					
E	CIVIL-534	GC	Sonta	Sum	During the semester	4
	Design in innovation: creation for adoption					
E	MGT-406	MTE	Henchoz Laperrouza	Sum	During the semester	4
	Development engineering					
E	ENV-470	SIE	Makohliso Schönenberger	Sum	During the semester	4
	Energy conversion and renewable energy					
E	ME-409	GM	Maréchal Nguyen	Win	Written	4
	Energy supply, economics and transition					
E	ENG-410	SIE	Ballif Binder Thalmann	Sum	Written	2
	Energy systems engineering					
E	ChE-304	CGC	Luterbacher	Sum	During the semester	3
	Environmental economics					
E	ENV-471	SIE	Thalmann	Sum	During the semester	4
	Exploratory data analysis in environmental health					
E	ENV-444	SIE	Guessous Joost	Win	Oral	4
	Impact studies					
F	ENG-474	GC	Chopard Devanthéry Schmidt	Win	Oral	3
	Interdisciplinary project in sustainability					
E	ENV-491	SIE	Profs divers	Sum Win	During the semester	10
	Introduction to ethics & critical thinking					
E	MGT-495	MTE	Palazzo	Win	During the semester	3
	Life cycle assessment in energy systems					
E	ENV-510	EL	Margni	Win	Written	3
	Lifecycle performance of product systems					
E	ME-516	GM	Friot	Sum	During the semester	3
	Material flow analysis and resource management					
E	ENV-501	SIE	Binder	Win	Written	4

C : Courses, E : Exercice, P : Pratic courses, * : option courses / F : French courses, D : Deutsch courses, E : English Courses / Sum : Summer, Win : Winter

	Planetary health					
E	*BIO-413*	*SV*	*Banwell Blokesch D'Angelo McKinney*	*Win*	*During the semester*	*4*
	Process intensification and green chemistry					
E	*ChE-408*	*CGC*	*Randall*	*Sum*	*Written*	*3*
	Sanitary engineering for development					
E	*ENV-402*	*SIE*	*Lüthi*	*Win*	*Written*	*3*
	Science of climate change					
E	*ENV-410*	*MTE*	*Schmale*	*Win*	*Written*	*4*
	Solid waste engineering					
E	*ENV-500*	*SIE*	*Ludwig*	*Win*	*During the semester*	*4*
	Sustainability assessment of urban systems					
E	*ENV-461*	*SIE*	*Binder Heinrich*	*Sum*	*During the semester*	*3*
	Technology, sustainability and public policy					
E	*MGT-450*	*MTE*	*Aklin*	*Win*	*Written*	*4*
	Towards sustainable materials					
E	*MSE-433*	*MX*	*Leterrier Wakeman*	*Sum*	*During the semester*	*4*

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