Studies Plan

Mineur : Design intégré, architecture et durabilité 2023-24

Minor : Integrated design, Architecture and Sustainability

Language	Courses Code	Section	Teacher	Exam Session	Exam	Credit
	Air pollution					
E	*ENV-409*	*SIE*	*Reimann Bhend Takahama*	*Sum*	*Written*	*5*
	Architecture and Solar energy					
F	*AR-449*	*AR*	*Munari Probst*	*Sum*	*Oral*	*3*
	Behind/Beyond future cities					
E	*AR-496*	*AR*	*Coccolo Mauree*	*Sum*	*Oral*	*3*
	Building design in the circular economy					
E	*AR-497*	*AR*	*Fivet*	*Win*	*Written*	*3*
	Comfort and architecture: sustainable strategies					
E	*AR-442*	*AR*	*Andersen Pastore Wienold*	*Win*	*Oral*	*3*
	Development engineering					
E	*ENV-470*	*SIE*	*Makohliso Schönenberger*	*Sum*	*During the semester*	*4*
	ENAC project for minor IDEAS					
	PENS-494	*GC*	*Profs divers*	*Sum Win*	*During the semester*	*4*
	Energy and comfort in buildings					
E	*ENG-445*	*GC*	*Licina Sonta*	*Win*	*During the semester*	*4*
	Impact studies					
F	*ENG-474*	*GC*	*Devanthéry Helfer Schmidt*	*Win*	*Oral*	*3*
	Indoor air quality and ventilation					
E	*CIVIL-460*	*GC*	*Licina*	*Sum*	*During the semester*	*4*
	Interactive conceptual design of structural forms					
E	*AR-483*	*AR*		*Win*	*Oral*	*3*
	Introduction to BIM (Building Information Modeling)					
F	*AR-484*	*AR*	*Hautecoeur*	*Win*	*During the semester*	*3*
	Material and energy flow analysis					
E	*ENV-501*	*SIE*	*Binder Hecher Moreau*	*Win*	*During the semester*	*4*
	Modelling and optimization of energy systems					
E	*ME-454*	*GM*	*Maréchal*	*Win*	*Oral*	*4*
	Optional interdisciplinary project					
E	*CIVIL-493*	*GC*	*Profs divers*	*Sum Win*	*During the semester*	*4*
	Recycling of materials					
E	*MSE-463*	*MX*	*Leterrier*	*Sum*	*During the semester*	*2*
	Summer workshop					
	PENS-491	*GC*	*Profs divers*	*Win*	*During the semester*	*4*
	Sustainability assessment of urban systems					
E	*ENV-461*	*SIE*	*Duygan Wall Gago*	*Sum*	*During the semester*	*3*
	Systems of environmental management					
F	*ENV-469*	*SIE*	*Baracchini*	*Win*	*During the semester*	*2*
	The preservation project: theories and					

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

	techniques					
F	*AR-434*	*AR*	*Marino*	*Win*	*Oral*	*3*
	Thermodynamics of comfort in buildings					
E	*CIVIL-450*	*GC*		*Sum*	*During the semester*	*3*
	UE K : Architecture and Sustainability : performance studies					
F	*AR-440*	*AR*	*Andersen Fivet Fumeaux Pastore Rey*	*Win*	*During the semester*	*4*
	UE R: Introduction to BIM (Building Information Modeling)					
F	*AR-435*	*AR*	*Hautecoeur*	*Sum*	*During the semester*	*4*