

Plan d'études

Mineur : Energie 2023-24

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	Cours			Session Examen	Examen	Crédits
lang. ens.	Code	Sections	Enseignants			
	Advanced energetics					
E	ME-451	GM	Maréchal	Hiv	Oral	5
	Air pollution					
E	ENV-409	SIE	Reimann Bhend Takahama	Eté	Ecrit	5
	Dam engineering					
E	CIVIL-411	GC	De Almeida Manso Mouvet	Hiv	Oral	3
	Electrochemical engineering					
E	ChE-407	CGC	Boghossian	Hiv	Ecrit	3
	Energy and comfort in buildings					
E	ENG-445	GC	Licina Sonta	Hiv	Pendant le 4 semestre	4
	Energy conversion and renewable energy					
E	ME-409	GM	Maréchal Nguyen	Hiv	Ecrit	4
	Energy geostructures					
E	CIVIL-444	GC	Laloui	Eté	Pendant le 4 semestre	4
	Energy storage systems					
E	EE-466	EL	Torregrossa	Hiv	Ecrit	3
	Engineering geology for geo-energy					
E	CIVIL-428	GC	Nussbaum	Eté	Pendant le 3 semestre	3
	Engines and fuel cells					
E	ME-551	GM	Van Herle	Hiv	Ecrit	4
	Fundamentals & processes for photovoltaic devices					
E	MICRO-565	MT	Ballif	Eté	Ecrit	3
	Fundamentals of separation processes					
E	ChE-310	CGC	Agrawal	Eté	Ecrit	4
	Heterogeneous reaction engineering					
E	ChE-403	CGC	Renken	Hiv	Ecrit	4
	Hydraulic turbomachines					
E	ME-453	GM	Vagnoni	Hiv	Ecrit	4
	Industrial electronics I					
E	EE-465	EL	Dujic	Hiv	Oral	4
	Industrial electronics II					
E	EE-565	EL	Dujic	Eté	Oral	4
	Introduction to nuclear engineering					
E	ME-464	GM	Fiorina	Eté	Oral	2
	Life cycle assessment in energy systems					
E	ENV-510	EL	Margni	Hiv	Ecrit	3
	Modelling and optimization of energy systems					
E	ME-454	GM	Maréchal	Hiv	Oral	4
	Plasma I					
E	PHYS-423	PH	Theiler	Hiv	Oral	6
	Plasma II					
E	PHYS-424	PH	Reimerdes	Eté	Oral	6
	Power systems dynamics					
E	EE-470	EL	Cherkaoui	Eté	Pendant le 3 semestre	3
	Principles of power systems					
E	EE-473	EL	Paolone	Eté	Ecrit	2
	Process development					
E	ChE-459	CGC	Gouveia Braz Maréchal	Eté	Pendant le 8 semestre	8

	Projet en énergie					
	ME-450	GM	Profs divers	Eté Hiv	Pendant le 10 semestre	
	Smart grids technologies					
E	EE-472	EL	Paolone	Eté	Ecrit	5
	Solid waste engineering					
E	ENV-500	SIE	Ludwig	Hiv	Pendant le 4 semestre	
	Sustainability assessment of urban systems					
E	ENV-461	SIE	Binder Signer Duygan	Eté	Pendant le 3 semestre	
	Thermal power cycles and heat pump systems					
E	ME-459	GM	Schiffmann Van Herle	Eté	Ecrit	3