

Plan d'études

Mineur : Systems engineering 2025-26

Mineur : Systems engineering

	Cours			Session Examen	Examen	Crédits
Lang.	Code	Sect.	Enseignants			
	Advanced control systems					
E	ME-524	GM	Karimi	Eté	Ecrit	3
	Advanced energetics					
E	ME-451	GM	Florez Orrego Maréchal	Hiv	Oral	5
	Applied probability & stochastic processes					
E	MGT-484	MTE	Cristi	Eté	Ecrit	4
	Causal inference					
E	MGT-416	MTE	Kiyavash	Eté	Pendant le semestre	4
	Commande non linéaire					
F	ME-523	GM	Müllhaupt	Hiv	Ecrit	3
	Concurrent engineering of space missions					
E	ENG-411	EL	Udriot Verkammen	Eté	Pendant le semestre	2
	Dynamical systems in biology					
E	BIO-341	SV	Naef Shillcock	Hiv	Ecrit	4
	Dynamical system theory for engineers					
E	COM-502	SC		Eté	Ecrit	6
	Genomics and bioinformatics					
E	BIO-463	SV	Bitbol Luisier Rougemont	Eté	Pendant le semestre	4
	Information: strategy & economics					
E	MGT-431	MTE	Weber	Hiv	Pendant le semestre	4
	Introduction to optimization and operations research					
E	MATH-265	GC	Bierlaire	Hiv	Ecrit	4
	Machine learning I					
E	MICRO-455	MT	Billard	Hiv	Ecrit	4
	Machine learning II					
E	MICRO-570	MT		Eté	Oral	4
	Modelling and optimization of energy systems					
E	ME-454	GM	Maréchal	Hiv	Oral	4
	Model predictive control					
E	ME-425	GM	Jones	Hiv	Ecrit	4
	Networks out of control					
E	COM-512	SC	Grossglauser Thiran	Eté	Ecrit	6
	Optimal decision making					
E	MGT-483	MTE	Kuhn	Eté	Ecrit	4
	Optional project in Systems engineering					
E	ENG-422	MTE	Profs divers	Eté Hiv	Pendant le semestre	8
	Principles and applications of systems biology					
E	ChE-411	CGC	Hatzimanikatis	Hiv	Pendant le semestre	3
	Spacecraft design and system engineering					
E	EE-584	EL	David Udriot	Hiv	Pendant le semestre	5

Supply chain management						
E	MGT-526	MTE	Seifert	Eté	Pendant le 4 semestre	
System identification						
E	ME-421	GM	Karimi	Eté	Ecrit	3
Systems engineering						
E	MICRO-405	MT		Hiv	Pendant le 2 semestre	