Studies Plan

Management, technologie et entrepreneuriat 2024-25

Block 1

Language	Courses Code	Section	Teacher	Specialization	Master 1 m	p	Master 2 l	e	p	Exam Session	Exam	Credit
	Accounting for finance											
E	*FIN-411*	*IF*	*Cauvin*		2h					*Win*	*During the semester*	*2*
	Applied corporate & industry analysis											
E	*MGT-410*	*MTE*	*De Groot*				1h		2h	*Sum*	*During the semester*	*3*
	Applied probability & stochastic processes											
E	*MGT-484*	*MTE*	*Cristi Espinosa*		2h	2h				*Win*	*Written*	*4*
	Introduction to econometrics											
E	*MGT-581*	*MTE*	*Aklin*		2h	2h				*Win*	*Written*	*4*
	Performance Management											
E	*MGT-510*	*MTE*	*Cauvin*		2h					*Win*	*During the semester*	*2*
	Principles of finance											
E	*MGT-482*	*MTE*	*Morellec*		2h	2h				*Win*	*Written*	*5*
	Principles of microeconomics											
E	*MGT-454*	*MTE*	*Mack*		3h	1h				*Win*	*Written*	*4*
	Technology, sustainability and public policy											
E	*MGT-450*	*MTE*	*Aklin*		2h	2h				*Win*	*Written*	*4*
	HSS : Introduction to project											
		SHS								*Win*		*3*
	HSS : Project											
		SHS								*Sum Win*		*3*

Groupe 1 : Options

Language	Courses Code	Section	Teacher	Specialization	Master 1 m	p	Master 2 l	e	p	Exam Session	Exam	Credit
	Advanced data driven business analytics											
E	*MGT-424*	*MTE*	*Kiyavash*		2h	1h				*Win*	*Written*	*4*
	Advanced sustainable accounting and finance											
E	*MGT-540*	*MTE*	*Markarian Lavetsky*		2h	1h				*Win*	*During the semester*	*3*
	Applied data analysis											
E	*CS-401*	*SC*	*Brbic*		2h	2h				*Win*	*Written*	*8*
	Causal inference											
E	*MGT-416*	*MTE*	*Kiyavash*				2h	1h		*Sum*	*During the semester*	*4*
	Computational Social Media											
E	*DH-500*	*DH*	*Gatica-Perez*				2h		1h	*Sum*	*During the semester*	*4*
	Continuous improvement of manufacturing systems											
E	*ME-498*	*GM*	*Kaboli*				2h		2h	*Sum*	*During the semester*	*5*
	Convex optimization											
E	*MGT-418*	*MTE*	*Kuhn*		2h	2h				*Win*	*Written*	*5*
	Corporate strategy											
E	*MGT-400*	*MTE*	*Schad*		3h					*Win*	*During the semester*	*4*
	Data science for business											
E	*MGT-432*	*MTE*	*Dunbar*		3h	1h				*Win*	*During the semester*	*6*
	Design in innovation: creation for adoption											
E	*MGT-406*	*MTE*	*Henchoz Laperrouza*				2h	2h		*Sum*	*During the semester*	*4*
	Economics for challenging times											
E	*MGT-494*	*MTE*	*Gallea Laurent-Lucchetti Thoenig*		4h					*Win*	*Oral*	*6*

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	Energy supply, economics and transition										
E	*ENG-410*	*SIE*	*Ballif* *Binder* *Thalmann*				2h		*Sum*	*Written*	*2*
	Entrepreneurship & new venture strategy										
E	*MGT-413*	*MTE*	*Gruber*				2h	1h	*Sum*	*During the semester*	*4*
	Foundations of digital humanities										
E	*DH-405*	*DH*	*Kaplan*	4h		2h			*Win*	*During the semester*	*6*
	Fundamentals of machine learning										
F	*EE-311*	*EL*	*Liebling*				2h	2h	*Sum*	*Written*	*4*
	Information: strategy & economics										
E	*MGT-431*	*MTE*	*Weber*	3h					*Win*	*During the semester*	*4*
	Innovation & entrepreneurship in engineering										
E	*MGT-555*	*MTE*	*Michaud* *Weber*	2h		8h			*Win*	*During the semester*	*10*
	Innovation management										
E	*MGT-423*	*MTE*	*Erden* *Özkol*				3h		*Sum*	*During the semester*	*4*
	Intercultural presentation skills										
E	*MGT-469*	*MTE*	*Everett*	1h	1h				*Win*	*During the semester*	*2*
	Large-scale data science for real-world data										
E	*COM-490*	*SC*	*Bouillet* *Delgado* *Sarni* *Verscheure*					4h	*Sum*	*During the semester*	*6*
	Leading and managing in a global context										
E	*MGT-468*	*MTE*	*Winzenried*				3h		*Sum*	*During the semester*	*4*
	Logistics and demand analysis										
F	*MGT-426*	*MTE*	*Wieser*				2h	1h	*Sum*	*During the semester*	*4*
	Machine learning										
E	*CS-433*	*IN*	*Flammarion* *Jaggi*	4h	2h	2h			*Win*	*Written*	*8*
	Machine learning for predictive maintenance applications										
E	*CIVIL-426*	*GC*	*Fink*	2h	2h	2h			*Win*	*During the semester*	*6*
	Macroeconomics and monetary policy										
E	*FIN-424*	*IF*	*Fuster*				2h	1h	*Sum*	*Written*	*4*
	Management of intellectual property										
E	*MGT-404*	*MTE*	*Sahli*				2h	1h	*Sum*	*Written*	*3*
	Mathematics of data: from theory to computation										
E	*EE-556*	*EL*	*Cevher*	3h		3h			*Win*	*Written*	*6*
	Nature finance										
E	*MGT-541*	*MTE*	*Coutu*	2h		1h			*Win*	*During the semester*	*3*
	Negotiation techniques										
E	*MGT-466*	*MTE*	*Canning* *Wacker*				1h	1h	*Sum*	*During the semester*	*2*
	New space economy										
E	*MGT-462*	*MTE*	*Röttgen*	1h	1h	1h			*Win*	*During the semester*	*3*
	Optimal decision making										
E	*MGT-483*	*MTE*	*Kuhn*				2h	2h	*Sum*	*Written*	*4*
	Power system restructuring and deregulation										
E	*EE-570*	*EL*	*Cherkaoui*				2h	1h	*Sum*	*During the semester*	*3*
	Practical business law										
E	*MGT-455*	*MTE*	*Dorthe*				3h		*Sum*	*Written*	*4*
	Production management										
E	*ME-419*	*GM*	*Kaboli*	2h		2h			*Win*	*During the semester*	*5*
	Project management and risk analysis										
F	*MGT-427*	*MTE*	*Wieser*	2h		1h			*Win*	*During the semester*	*4*

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	Reinforcement learning										
E	*EE-568*	*EL*	*Cevher*		2h	2h	2h	*Sum*	*During the semester*	*6*	
	Statistics for data science										
E	*MATH-413*	*MA*	*Chandak Limnios*		4h	2h		*Sum*	*Written*	*8*	
	Strategic management of innovation										
E	*MGT-425*	*MTE*	*Vacat*	3h				*Win*	*During the semester*	*4*	
	Strategic marketing & technology commercialization										
E	*MGT-401*	*MTE*	*Eckardt*	3h				*Win*	*During the semester*	*4*	
	Supply chain management										
E	*MGT-526*	*MTE*	*Markoff Timonina-Farkas*		3h			*Sum*	*During the semester*	*4*	
	Sustainability in the global context										
E	*MGT-470*	*MTE*	*Baldwin*	2h				*Win*	*Written*	*4*	
	Sustainable & entrepreneurial finance										
E	*FIN-429*	*MTE*	*Jondeau Mitali*		4h			*Sum*	*During the semester*	*5*	
	Technology & innovation strategy										
E	*MGT-414*	*MTE*	*Fernandes Rodrigues Alves*		2h		1h	*Sum*	*During the semester*	*3*	
	Value chain management in practice										
E	*MGT-417*	*MTE*	*Riboni*	3h				*Win*	*During the semester*	*4*	
	Venture capital										
E	*FIN-522*	*IF*	*Fahlenbrach*	3h				*Win*	*Written*	*4*	

Master project

	Courses				***Master 1***			***Master 2***			***MP Autumn***			***MP Spring***			***Exam Session***	***Exam***	***Credit***
Language	*Code*	*Section*	*Teacher*	*Specialization*	*m*	*p*	*l*	*e*	*p*	*l*	*e*	*p*	*l*	*e*	*p*				
	Engineering internship credited with master project (master in Management of Technology and Entrepreneurship)																		
E	*MGT-597*	*MTE*	*Profs divers*			320h			320h			320h			320h	*Sum Win*	*During the semester*	*0*	
	Master project in Management of Technology																		
E	*MGT-599*	*MTE*	*Profs divers*									900h			900h	*Sum Win*	*Oral*	*30*	

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