

Studies Plan

Management, technologie et entrepreneuriat 2023-24

Block 1

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

Group 1

Courses			Master 1	Master 2	Exam Session	Exam	Credit
Language	Code	Section	Teacher	Specialization	o p	l e p	
	Applied data analysis						
E	CS-401	SC	West	2h 2h		Win	Written 8
	Causal inference						
E	MGT-416	MTE			2h 1h	Sum	During the 4 semester
	Climate entrepreneurship						
E	MGT-420	MTE	Wadhwa	2h 1h		Win	During the 5 semester
	Computational Social Media						
E	DH-500	DH	Gatica-Perez		2h 1h	Sum	During the 4 semester
	Continuous improvement of manufacturing systems						
E	ME-498	GM	Kaboli		2h 2h	Sum	During the 5 semester
	Convex optimization						
E	MGT-418	MTE	Kuhn	2h 2h		Win	Written 5
	Corporate strategies for global sustainability						
E	MGT-422	MTE		3h 1h		Win	During the 4 semester
	Corporate strategy						
E	MGT-400	MTE	Schad	3h		Win	During the 4 semester
	Data science for business						
E	MGT-432	MTE	Dunbar	3h 1h		Win	During the 6 semester
	Design in innovation: creation for adoption						
E	MGT-406	MTE	Henchoz Laperrouza		2h 2h	Sum	During the 4 semester
	Entrepreneurship & new venture strategy						
E	MGT-413	MTE	Bavato Gruber		2h 1h	Sum	During the 4 semester
	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 4 semester
	Innovation & entrepreneurship in						

E	engineering MGT-555	MTE	Michaud Weber	2h	8h		Win	During the	10	semester
E	Innovation management MGT-423	MTE	Erden Özkol		3h		Sum	During the	4	semester
F	Logistics and demand analysis MGT-426	MTE	Wieser		2h	1h	Sum	During the	4	semester
E	Machine learning CS-433	IN	Flammarion Jaggi	4h	2h		Win	Written	8	
E	Management of intellectual property MGT-404	MTE	de Rassenfosse		2h	1h	Sum	Oral	3	
E	Mathematics of data: from theory to computation EE-556	EL	Cevher	3h	3h		Win	Written	6	
E	Optimal decision making MGT-483	MTE	Kuhn		2h	2h	Sum	Written	4	
E	Production management ME-419	GM	Kaboli	2h	2h		Win	During the	5	semester
F	Project management and risk analysis MGT-427	MTE	Wieser	2h	1h		Win	During the	4	semester
E	Reinforcement learning EE-568	EL	Cevher		2h	2h	2h	Sum	Oral	6
E	Statistical inference and machine learning MGT-448	MTE	Kiyavash	2h	2h		Win	Written	4	
E	Statistics for data science MATH-413	MA	Rubin		4h	2h	Sum	Written	8	
E	Strategic marketing & technology commercialization MGT-401	MTE	Eckardt	3h			Win	During the	4	semester
E	Supply chain management MGT-526	MTE	Seifert		3h		Sum	During the	4	semester
E	Technology, sustainability and public policy MGT-450	MTE	Aklin		2h	2h	Sum	Written	4	
E	Technology & innovation strategy MGT-414	MTE	Fernandes Rodrigues Alves		2h	1h	Sum	During the	3	semester
E	Value chain management in practice MGT-417	MTE	Riboni	3h			Win	During the	4	semester
E	Venture capital FIN-522	IF	Fahlenbrach	3h			Win	Written	4	

Group 2

	Courses			Master 1	Master 2	Exam Session	Exam	Credit		
Language	Code	Section	Teacher	Specialization	p	l	e	p		
E	Energy supply, economics and transition									
E	ENG-410	SIE	Ballif Binder Thalmann		2h		Sum	Written	2	
E	Foundations of digital humanities									
E	DH-405	DH	Kaplan	4h	2h		Win	During the	6	semester
E	Global business environment									
E	FIN-523	IF	Felli	2h	1h		Win	During the	4	semester
E	Globalisation, robotics and the future of work									
E	MGT-464	MTE	Baldwin	2h			Win	Written	4	
E	Intercultural presentation skills									
E	MGT-469	MTE	Everett	1h	1h		Win	During the	2	semester
E	Leading and managing in a global context									
E	MGT-468	MTE	Winzenried		3h		Sum	During the	4	semester

E	Negotiation techniques MGT-466	MTE	Canning Wacker	1h 1h	Sum	During the 2 semester
E	New space economy MGT-462	MTE	Röttgen	1h 1h 1h	Win	During the 3 semester
E	Power system restructuring and deregulation EE-570	EL	Cherkaoui	2h 1h	Sum	During the 3 semester
E	Practical business law MGT-455	MTE	Dorthe	3h	Sum	Written 4
E	Transitions, sustainability and technology policy MGT-408	MTE	Foray	2h 1h	Sum	Written 4

Master project

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