

Orientation: Business Analytics

Plan d'études 2017-2018

	Language	Semester	Professeur	Credits	Hours	Evaluation	Total ECTS
MODULE 1 - 30 ECTS							
Compulsory (18 ECTS)							
Machine Learning in Business Analytics	E	4.1	Boldi M.-O.	6	4	?	18
Optimization Methods in Management	E	4.1	Oeuvray R.	6	4	?	
Quantitative Methods for Management (Compulsory for all)	E	4.1	Reboulleau J.	6	4	?	
Elective (12 credits)							
Competitive Strategy	E	4.1	Amer Maistriau E.	6	4	E	12
Ecology and Evolution	E	4.1	Lehmann L.	6	4	O	
Marketing Science	E	4.1	Christen M.	6	4	?	
Organizational Theory and Decision Making	E	4.1	Grieder M.	6	4	E	
Organizational Theory and Decision Making	E	4.1	Grieder M.	6	4	E	
Strategic Marketing	E	4.1	Lacoste S./Hellwig K.	6	4	?	

MODULE 2 - 24 ECTS							
Compulsory (6 ECTS) - only for students in this orientation							
Company Project in Business Analytics: compulsory course	E	4.2	Boldi M.-O.	6	4		24
Any course from the Master in Management within other orientations - except the company project	E	4.2-5.1		18			

MODULE 3 - 36 ECTS							
<i>BA orientation electives</i>							
Business Intelligence and Analyzing Big Data	E	4.2	Niemi T.	6	4	?	36
Data Science in Business Analytics	E	4.2	Vatter Th.	6	4	?	
Strategic Modeling	E	4.2	van Ackere A. / Ochoa P.	6	4	?	
Supply Chain in Business Analytics	E	4.2	Saarinen L. / Bicer I.	6	4	E	
Time series and forecasting	E	4.2	Flores D.	3	2	E	
Conceptual Modeling and Database Design	E	5.1	Niemi T.	6	4	P	
Data Analytics for Decision Making	E	5.1	Zuber	6	4	P	
Forecasting	E	5.1	Orso S.	6	4	P	
Programming Tools in Data Science - 6	E	5.1	Orso S.	6	4	P	
Supply Chain Management and its Latest Trends	E	5.1	Hintsa J.	6	4	E	

MODULE 4 - 30 ECTS							
Semester 5.2: Master thesis	E/F	5.2		30			30

PROGRAMME'S STRUCTURE	
MODULE 1 - 30 ECTS	ECTS
Quantitative Methods for Management	6
Orientation-specific courses (compulsory)	12
Courses of other Orientations (electives)	12
MODULE 2	
1 Business Case	6
Elective courses	18
MODULE 3	
Orientation-specific elective courses	36
MODULE 4 - 30 ECTS	
Orientation-specific Master Thesis	30
Academic or internship master's thesis taking place at the last semester	
Regarding internship, the duration is minimum 3 months, maximum 6 months, can be extended to 12 months	
Total ECTS	120

ECTS: European Credit Transfer System