MS IN BUSINESS ANALYTICS COURSE LIST 2019-20

1. PRE-SESSION		Mandatory credits	Elective credits	Home progran
Mathematics and Informatics Pre-session for Business Analytics	Kiss, Oliver	0	creuits	BA
Maximizing Your Future*	Kaposvari, Anna		0	F
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1. FALL 2019-20	lii a	_		
Coding 1: Data Management and Analysis with R	Kaufmann, Marc	2		BA
Data Analysis 1: Exploration - Business Analytics track	Bekes, Gabor	1		BA
Data Analysis 2: Finding Patterns with Regressions - Business Analytics track	Bekes, Gabor	2		BA
Data Engineering 1: Different Shapes of Data	Sallo, Laszlo	2		BA
Data Engineering 2: Big Data and Cloud Computing	Toth, Zoltan	2		BA
Data Visualization 1: Introduction to Data Visualization with Tableau	Arato, Bence	2		BA
Data Science 1: Data Architecture (D)	Koren, Miklos		2	BA
Coding 2: Web scraping with R	Orsos, Mihaly		1	BA
Coding Practice with R	Orsos, Mihaly		0	BA
Digital Marketing*	Farkas, Tibor		2	TM
Digital Strategy*	Akbar, Yusaf		2	TM
Programming Foundations with Python* (D)	Muco, Arieda		2	F
Fundamental Ideas in Network Science* (D)	Kertesz, Janos		4	DNDS
Introduction to Geospatial Data Visualization* (D)	Lagutov, Viktor		2	UWC
Social Networks 1.* (D)	Vedres, Balazs		2	DNDS
2. WINTER 2019-20				
Data Analysis 3: Prediction and Introduction to Machine Learning	Bekes, Gabor / Pal, Jeno	2		BA
Data Science 2: Machine Learning Concepts	Papp, Zoltan	1		BA
Data Security and GDPR	Papp, Peter	1		BA
Data Visualization 2: Practical dataviz with R	Daroczi, Gergely	1		BA
Introduction to Agile Project Management	Sallo, Laszlo	1		BA
Use Case Seminars 1.	Daroczi, Gergely	1		BA
Coding 3: Data Management and Analysis with Python	Somos, Eszter		2	BA
Data Engineering 3: Real-Time Data Processing	Toth, Zoltan		1	BA
Data Engineering 4: Using R in Production	Daroczi, Gergely		1	BA
Data Science 3: Machine Learning Tools	Papp, Zoltan / Pal, Jeno		2	BA
Scrum in Agile Project Management*	Sallo, Laszlo		1	TM
Banking IT and Fintech: Bank to the Future*	Szalay, Szabolcs		2	TM
Data-driven Decision-making and Analytics Leadership*	Bakonyi, Zoltan		2	TM
Digital Transformation*	Szertics, Gergely		2	TM
Fintech in Depth*	Lee, Tomy		2	F
SQL Intermediate*	Micsko, Krisztian		0	F
Bayesian Data Analysis*	Fiser, Jozsef		2	CogSC
3. SPRING 2019-20				
Data Science 4: Unstructured Text Analysis	de la Rubia, Eduardo	1		ВА
Designing Analytics Projects (Capstone Project Development Seminar)	de la Rubia, Eduardo	1		BA
Mastering Social Data Science (Vienna)	Garcia, David	1	1	BA
Use Case Seminars 2. (Vienna)	Toth, Zoltan		1	BA
	Daroczi, Gergely/			
Data Visualization 3: Data Visualization in Production with Shiny	Orsos, Mihaly		1	BA
Data Visualization 4: Dataviz Communication	Cairo, Alberto		1	BA
Mastering Data Science Projects	Lorand, Balazs		1	BA
Mastering Deep Learning in R	de la Rubia, Eduardo		1	BA
Mastering Product Analytics	Prekopcsak, Zoltan		1	BA
Mastering R Skills	Daroczi, Gergely		1	BA
Mastering the Process of Data Science	Windhager-Pokol, Eszter		1	BA
Ethics of Big Data*	Margaritidis, Chrys		2	TM
Financial Trading Design and Technology*	Meszaros, Ferenc		2	F
Internet of Things - Industry 4.0 - Challenges and Opportunities of Connected			_	
Business Models*	Boday, Tamas		2	TM
	Sepp, Norbert		2	TM
Technology Innovation (Cognitive and Smart Systems)*				
Technology Innovation (Cognitive and Smart Systems)* Capstone Project Writing	Bogel, Gyorgy	4		BA

Home program: BA: Business Analytics; TM: Technology Management and Innovation; F: Finance; DNDS: Department of Network and Data Science; CogSCi: Department of Cognitive Science; UWC: University Wide Course

All mandatory courses with BA as home program are scheduled on Mondays and Wednesdays; * - Limited availability

(Vienna) - Course to take place in Vienna

Course list remains subject to change