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MS IN BUSINESS ANALYTICS COURSE LIST 2022-23

0. PRE-SESSION			Prerequisites	Mandatory credits	Elective credits	Home program
ECBS5154	Mathematics and Informatics Pre-session for Business Analytics (remedial course)	Kiss, Oliver		0		BA
ECBS5075	Maximizing Your Future (remedial course)	Szarvas, Krisztina			0	F
1. FALL 2022-23						
ECBS5208	Coding 1: Data Management and Analysis with R	Wohak, Ulrich	Pre-session	2		BA
ECBS5140	Data Analysis 1: Exploration - Business Analytics track	Bekes, Gabor	Pre-session	1		BA
ECBS5142	Data Analysis 2: Finding Patterns with Regressions - Business Analytics track	Kugler, Alice	Pre-session, DA1	2		BA
ECBS5146	Data Engineering 1: SQL and Different Shapes of Data	Sallo, Laszlo	Pre-session	2		BA
ECBS5147	Data Engineering 2: Cloud Computing	Toth, Zoltan	DA1, DE1	2		BA
ECBS5188	Use Case Seminars 1.	Toth, Zoltan	Pre-session, DA1	1		BA
ECBS5209	Data Visualization 1: Introduction to Data Visualization with Tableau	Arato, Bence	Pre-session		1	BA
ECBS5306	Coding 2: Web scraping with R	Orsós, Mihály	Pre-session, DA1		1	BA
ECBS5163	Coding Practice with R (remedial course)	Orsós, Mihály	Pre-session		0	BA
2. WINTER 2022-23						
ECBS5171	Data Analysis 3: Prediction and Introduction to Machine Learning	Bekes, Gabor / Duronelly, Peter	Coding 1, DA1, DA2	3		BA
ECBS5175	Data Science 1: Machine Learning Concepts	Lieli, Robert	DA1, DA2, DA3	1		BA
ECBS5210	Data Visualization 2: Practical Data Visualization with R	Daroczi, Gergely	DA2	1		BA
DNDS6013	Scientific Python*	Posfai, Marton	Coding 1, DA1, DA2		2	BA
ECBS5211	Data Engineering 3: Using R in Production	Daroczi, Gergely	DA2, DV2		1	BA
ECBS5233	Data Science 2: Machine Learning Tools	Divenyi, Janos	DA1, DA2, DA3, DS1		2	BA
ECBS5021	Banking IT and Fintech: Bank to the Future*	Szalay, Szabolcs	Pre-session		2	F
ECBS5245	Data Analysis 4: Casual Analysis*	Bekes, Gabor	DA1, DA2		2	EconPol
ECBS5219	Python Programming, Visualization and Text Analysis*	Muco, Arieda/Attila Toth	Pre-session		2	BA
ECBS5215	Fintech in Depth*	Lee, Tomy	None		2	F
ECBS5207	Agile Project Management and Scrum	Sallo, Laszlo	Pre-session		1	BA
ECBS5349	Entrepreneurship and Innovation*	Kozma, Andrea	Pre-session		2	F
3. SPRING 2022-23						
ECBS5228	Designing Analytics Projects (Capstone Project Development Seminar)	de la Rubia, Eduardo	DA1, DA2, DA3, DS1	1		BA
ECBS5334	Data Engineering 4: Big Data Computing with Apache Spark	Toth, Zoltan	DE2, Python		1	BA
ECBS5251	Data Visualization 3: Introduction to Data Visualization with Python*	Arato, Bence	Python		1	BA
ECBS5212	Data Visualization 4: Data Visualization in Production with Shiny	Daroczi, Gergely / Orsos, Mihály	DV2, DE3		1	BA
ECBS5155	Mastering R Skills	Daroczi, Gergely	DE3		1	BA
ECBS5204	Use Case Seminars 2.	Daroczi, Gergely	DE2, DA3		1	BA
ECBS5194	Capstone Project Writing (Business Analytics)	Toth, Zoltan		2		BA
ECBS9105	Capstone Project	Toth, Zoltan		2		BA

Home program: BA: MS in Business Analytics; F: MS in Finance; EconPol: MA in Economic Policy in Global Markets

Prerequisites: Abbreviations are used; for example DA1 - Data Analysis 1; DS1 - Data Science 1; etc.

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

Course list remains subject to change