Tantárgyi adatlap sablon angol

Institute of Cyberphysical Systems			Semester 4. of the curriculum 2024-25-2			
Name of the subject:	Code of the subject:	Credits:	Weekly hours:			
				lec	sem	lab
Cloud based Business Intelligence and analysis – SAP Analytics Cloud		4	Part-time	0	0	3
Responsible person for the subject:			Classification: professor			
Subject lecturer(s): Attila Krisztián RITZL						
Prerequisites:	-					
Way of the assessment:	mid-term grade					

Course description	
Goal:	Within the scope of the online subject, students will learn about the SAP Analytics Cloud report creation software, the different steps, real business cases, problems, operating models and roles.
Course description:	Introduction to the world of cloud-based business intelligence; Data environment; connection types; basics of data modeling; Report creation I. – Analytics Designer; Story; Data Analyzer; Self - Service; Making a report II. – SAP Analytics Cloud report types; BI Admin role – management of housekeeping; monitoring; other BI roles; Life-cycle management; Decision support - using artificial intelligence; User Experience (UX) trends; Financial planning; what-if cases; General recommendations for best performance; example analysis; documentation research; BI consulting; planning; development; and maintenance everyday questions; Market trends; players; opportunities; outlook

Lecture schedule	
Education week	Topic
1.	P: Introduction to the world of cloud-based business intelligence
2.	P: Data environment, connection types, basics of data modeling
3.	P: Report creation I. – Analytics Designer, Story, Data Analyzer, Self - Service
4.	P: Making a report II. – SAP Analytics Cloud report types
5.	P: BI Admin role – management of housekeeping, monitoring, other BI roles
6.	P: Life-cycle management
7.	P: Decision support - using artificial intelligence
8.	P: User Experience (UX) trends
9.	P: Financial planning, what-if cases
10.	P: General recommendations for best performance, example analysis, documentation research
11.	P: BI consulting, planning, development, and maintenance everyday questions
12.	P: Market trends, players, opportunities, outlook
13.	P: Test
14.	P: Retake test

Mid-term requirements	
Conditions for obtaining a mid-term grade/signature	Participation at the online lessons is mandatory. Signature cannot be assigned to students who missed more than 30% of lessons. During the semester, students can choose how to acquire grade: - Work on individual project with 3 milestones. - Take a test on whole semester's topics.

Assessment schedule	
Education week	Topic
13.	Test
14.	Retake test

Method used to calculate the *mid-term grade* (to be filled out only for subjects with mid-term grades)

Based on individual choice: test or project. Test result needs to exceed 51%.

Type of the replacement

Type of the replacement of written test/mid-term grade/signature	Replacement of the mid-term mark: once in the first 10 working days of the examination period.

Type of the exam (to be filled out only for subjects with exams)

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Calculation of the exam mark (to be filled only for subjects with exams)

-

Final grade calculation methods:

Achieved result	Grade
87%-100%	excellent (5)
75%-86<%	good (4)
63%-74<%	average (3)
51%-62<%	satisfactory (2)
0%-50<%	failed (1)

References

Obligatory:	• Class materials published in Moodle.
Recommended:	• Hastie, T., Tibshirani, R., Friedman, J. (2009). The elements of statistical learning: data mining, inference and prediction. (https://web.stanford.edu/~hastie/ElemStatLearn/)
Other references:	• The slides and material used in the lecture will be available on the course website at https://elearning.uni-obuda.hu/ after the lecture.