

Institute for Interdisciplinary and Multidisciplinary Studies / SUSTAINABLE DEVELOPMENT / Mining unstructured data and natural language proc

Course:	Mining unstructured data and natural language proc			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
13746	Optional	1	10	4+2+1
Programs	SUSTAINABLE DEVELOPMENT			
Prerequisites	/			
Aims	The objective of this course is to teach students how to carry out the research in the field of mining and processing the unstructured data and natural language texts with intelligent systems and machine learning.			
Learning outcomes	On completion of this course the student will be able to • demonstrate knowledge and understanding of the entire process of preparation and the construction of the process of mining the unstructured data, • to express knowledge and to use methods for mining unstructured data in real cases of decision-making, • demonstrate the ability to evaluate and interpret the results of mining of unstructured data and texts, • analyse, plan and implement systems for the mining of unstructured data and texts, • to evaluate the quality of data- and text- mining systems for the mining of unstructured data and texts, • to use the acquired knowledge in practical cases of mining of unstructured data and texts.			
Lecturer / Teaching assistant				
Methodology	One-on-one			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures				
I week exercises				
II week lectures				
II week exercises				
III week lectures				
III week exercises				
IV week lectures				
IV week exercises				
V week lectures				
V week exercises				
VI week lectures				
VI week exercises				
VII week lectures				
VII week exercises				
VIII week lectures				
VIII week exercises				
IX week lectures				
IX week exercises				
X week lectures				
X week exercises				
XI week lectures				
XI week exercises				
XII week lectures				
XII week exercises				

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XIII week lectures						
XIII week exercises						
XIV week lectures						
XIV week exercises						
XV week lectures						
XV week exercises						
Student workload						
Per week			Per semester			
10 credits x 40/30=13 hours and 20 minuts 4 sat(a) theoretical classes 1 sat(a) practical classes 2 excercises 6 hour(s) i 20 minuts of independent work, including consultations			Classes and final exam: 13 hour(s) i 20 minuts x 16 =213 hour(s) i 20 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 13 hour(s) i 20 minuts x 2 =26 hour(s) i 40 minuts Total workload for the subject: 10 x 30=300 hour(s) Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) 60 hour(s) i 0 minuts Workload structure: 213 hour(s) i 20 minuts (cources), 26 hour(s) i 40 minuts (preparation), 60 hour(s) i 0 minuts (additional work)			
Student obligations						
Consultations						
Literature						
Examination methods						
Special remarks						
Comment						
Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points