Via	chine Learn	ing Method	s for Engineers			AR-232
Rota	ota Duration		Semester	sws	Credit Points	Workload 150 h
ınnua	ally SS 1 Semester		2 nd (Semester)	3 SWS	5	
	Modul Structure					
	Course (Abbreviation)		Type/ SWS	Presence	Self Study	Credit Points
	c) Machine Learning Methods for Engineers		Lecture/ 2 SWS	25 h	50 h	3
	d) Machine Learning Methods for Engineers		Tutorial/ 2 SWS	25 h	50 h	2
	Language English					
3	Content					
	Element 1					
	supervised vs. unsupervised, regression vs. classification. Usage of tools to efficiently implement machine learning-methods. Interpretation and analysis of the results and presentation of the potentia of machine learning with examples of the chemical and biochemical engineering field. Literature: The slides of the course and any additional materials such as literature lists and website					
	recommendations will be published in the virtual workrooms in Moodle provided for this purpose. Details will be announced at the beginning of the course.					
4	Competencies					
	the data for the and apply sever transfer this kernel	ne application of eral machine lead nowledge to solv	rning techniqu g efficient soft The students	ple operations to cues. The students a ware tools and the can recognize reliationly evaluate thei	re able to design y are able to ble results from th	
5	Examination Requirements					
	Oral (max. 30 minutes) or written (90 minutes) + Computer-based project and presentation of minutes					ntation of 10
	Formality of Examination					
	✓ Module Finals ☐ Accumulated Grade					
				☐ A	ccumulated Grade	
		als uirements (Prer	equisites)	□ A	ccumulated Grade	
,	Module Requ Basic knowled	uirements (Prerollige of linear alge	equisites) bra. Basic programmi			
7	Module Requ Basic knowled Allocation to	uirements (Prerelige of linear algelicum:	bra. Basic programmi	ng knowledge.		
,	Module Requ Basic knowled Allocation to	uirements (Prerolge of linear algele of linear algele of curriculum:		ng knowledge.		nitive Systems