四二 四	3工業高等	直門学校	ミング 開講年度 令和02年度 (2	2020年度)	授業科目	知識工学			
<u>豆</u> 山 科目基码				<u>-020</u> 十/文)					
科日奉日		93026		科目区分	專門 / 道	22 10			
授業形態				単位の種別と単位	,				
開設学科			戒工学専攻M	対象学年	业 <u>级</u> 手修单位 専2	L, C			
開設期		後期		週時間数	2				
			DATA by Viktor Mayer-Schoinberge	ے الکر الکر کی الکر کی کے الکر کی کر) ISBN978-1473647206			
担当教員	54F3	西澤 一							
到達目相	画	10/7							
(ア) Stud (イ) Stud (ウ) Stud (エ) Stud (オ) Stud	dents can e dents can o dents reco dents can o dents can o	gnize the r distinauish	concept of big data ree characteristic features of big dat isks of data-driven decision makings correlational analysis from causation ew effective examples of big data						
ルーブ	ノック		理想的お知道し、ベルの日空	一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一					
			理想的な到達レベルの目安			未到達レベルの目安			
評価項目(ア)			Students can explain the concept of big data. Students can describe three	Students under concept of big of Students under	data.	Students don't understand the concept of big data. Students don't understand			
評価項目(イ)			characteristic features of big data.	characteristic fe		three characteristic features of big data.			
評価項目(ウ)			Students can explain the risks of data-driven decision makings.	Students recog data-driven dec	nize the risks o cision makings.	f Students don't recognize the risks of data-driven decision makings.			
学科の	到達目標以	頁目との	関係						
学習・教 JABEE d 本校教育	育到達度目 当該分野に 目標 ① もの	票 C2-4 「 [,] おいて必要	情報と計測・制御」に関する専門知識の とされる専門的知識とそれらを応用する	修得 5能力					
教育方法	去等								
概要 dataflow. processin lecture in			57						
授業の進	め方・方法		dy & preparation) The students are required to read the assigned pages of the text before every vrite short summaries and present them to the class.						
注意点		discuss	udents are expected to have receptive sions, assignments, and tests are to	e English skills o be done in Englis	f TOEIC 500 or sh.	higher, because all the lectures,			
	<u>修の種別</u> 	・旧カリ村	7日名						
授業計画	<u> 単</u>								
		週	授業内容		週ごとの到達目	標			
後期		1週	Two examples of showing social ef data (self-study & preparation) write su shifts of information analysis cause	-	recognize the social effect from big data				
		2週	The outline of three shifts of inforr caused by big data (self-study & preparation) write su processing ALL data	ation analysis					
		3週	Processing ALL data instead of son (self-study & preparation) write su handling messy data	mmaniat	understand the instead of same	and the difference of using ALL data of sampled data			
	3rdQ	4週	Handling messy data (self-study & preparation) write su causality vs. correlation (part 1)	nmary of grasp the meaning of "messy" data					
		5週	Leaving causality to satisfying with (self-study & preparation) write su causality vs. correlation (part 2)	correlations mmary of distinguish correlation from causality					
		6週	Leaving causality to satisfying with (self-study & preparation) write su turning data into valuable informat	mmary of	distinguish correlation from causality				
		7週	Datafication: turning data into valu information (self-study & preparation) write su Datafication	mmary of	grasp the meaning of "Datafication"				
		8週	Datafication: turning data into valu information (self-study & preparation) write su rivalrous option value of data (part	mmary of non- 1)	grasp the meaning of "Datafication"				
	4thQ	9週	Value: non-rivalrous option value of (self-study & preparation) write su rivalrous option value of data (part	mmary of non-	understand the option value of data				

	10週	Value: non-rivalrous option value c (self-study & preparation) write su chain (part 1)	of data mmary of value	e understand the option value of data							
	11週	Implications: data, skills, and ideas chain (self-study & preparation) write su chain (part 2)	know the value chain of data analysis								
	12週	Implications: data, skills, and ideas for the value chain (self-study & preparation) write summary of risks related to big data									
	13週	Risks : privacy, punishment based probability, dictatorship of data (self-study & preparation) write su controlling data	understand the risk of big data								
	14週	Control: from privacy to accountab algorithmist (self-study & preparation) write su issues of big data	know some ideas of controlling data analysis								
	15週	Next: when data speaks, the bigge	know the possible future of data analysis								
	16週										
モデルコアカリ	モデルコアカリキュラムの学習内容と到達目標										
分類						到達レベル 授業週					
·····································											
		定期試験	課題		合計						
総合評価割合		40	60		100						
専門的能力		40	60		100						