阳幸	丁丵宫笙	 専門学校	開講年度	令和04年度 (2	2022年度)	授業	科目					
科目基礎		· 、 		│ IJYUUT+/反(Z	-ULL+1又)	1久未	:17口	<u> </u>				
科目番号	E I FIX	155540			科目区分 専門 / 選択			7				
授業形態		講義			単位の種別と単位数 学修単位:							
開設学科		1	科目 (本科)		対象学年 5			-				
開設期		後期			週時間数 2							
教科書/教	 材				•	•						
担当教員		角野 拓勇	冥,吉村 洋									
到達目標												
 Understand the classification, basic properties and standards of construction materials in general. And be able to explain these basic matters. Understand the types, basic properties and characteristics of concrete. And be able to explain these basic matters. Understand the classification, basic properties and standards of iron and steel, asphalt, polymer and timber. And be able to explain these basic matters. 												
ルーブリ	リック											
			Idea level of A	Attainment	Standard level	of attainr	ment	Minmum level of attainment				
Attainme	nt Target	1	describe the c standards and	Understand and accurately describe the classification, standards and basic properties of construction materials Understand and describe the classification, standards and basic properties of construction materials				Describe the classification, standards and basic properties of construction materials				
Attainme	nt Target	2	types and cha concrete (cem admixture ma to be able to r	Understand and describe the types and characteristics of concrete (cement, aggregates, admixture materials, etc.). And to be able to raise issues and propose applications. Understand and describe the types and characteristics of concrete (cement, aggregates, admixture materials, etc.).				Describe the types and characteristics of concrete (cement, aggregates, admixture materials, etc.).				
Attainment Target 3			types and cha and steel, asp timber. And to	nd describe the racteristics of iron halt, polymer and be able to raise pose applications.	lymer and et to raise Understand and describe the types and characteristics of iron and steel, asphalt, polymer and timber.			Describe the types and characteristics of iron and steel, asphalt, polymer and timber.				
学科の至	<u> 連目標</u> 耳	頁目との関	係									
教育方法	法等											
概要		restoral construc course i materia	s who design, construct and maintain structures that require the safety, serviceability and lity need to acquire knowledge of construction materials. In the practice, it is needed to use ion materials according to the social demand, and consider the functionality and economically. This lecture-based classroom learning. The goal of this course is to obtain basic knowledge on main that is used construction projects, and enhance study habits. hours 30hours+Final Exam+Self-study hours 60hours]									
授業の進め	か方・方法	Reports	e nours 30nours i are required as i	pre-study and post	-study nours our t-study, because	nours) this cou	rse is an	a academic credit course.				
Reports are required as pre-study and post-study, because this course is an academic credit course. This course that is established as sub-major course of common to the department is important course of civil engineering that is obtained fundamental knowledge of construction materials. In order to learn about the wide variety of construction materials used in the infrastructure, it is important not to memorize individual items in isolation, but to relate them to the infrastructures that are around us. In addition, many of the matters are related to mechanics, electricity and chemistry, which will hopefully lead to the future.												
		多上の区分										
□ アクテ	ィブラーニ	ニング	□ ICT 利用	□ ICT 利用 □ 遠隔授業			応 □ 実務経験のある教					
142374=1-4												
授業計画	<u> </u>	週	授業内容			田ブトの	지나는 그 15	i				
後期	3rdQ	1週	Guidance	Structures and Co	of construction m		and the ruction r ineering	classification and basic properties naterials, and their relation to the structures. And, the goal of this e to explain these basic matters.				
		2週	Civil Engineering Materials	Structures and Co	onstruction	Understand the construction of construction civil engineering		classification and basic properties naterials, and their relation to the structures. And, the goal of this e to explain these basic matters.				
		3週	Basic Properties	of Concrete		Understa the goal basic ma	of this v	asic properties of concrete, and eek is to be able to explain these				
		4週	Mechanical Prope Characteristics	erties of Concrete	and its	Understand mechanical properties of concrete an its characteristics, and the goal of this week is to be able to explain these basic matters.						
		5週	Mechanical Prope Characteristics	and its	Understand mechanical properties of concrete and its characteristics, and the goal of this week is to be able to explain these basic matters.							
		6週	Performance of (erformance of Concrete and Mix Desig			Understand the performance of concrete and method of mix design. And the goal of this we is to be able to explain these basic matters.					
		7週	Performance of C	Concrete and Mix D	Design	Understand the performance of concrete and method of mix design. And the goal of this weel is to be able to explain these basic matters.						
		8週	Midterm Exam									
	4thQ	9週	Review of Midter Properties of Iron characteristics	S	Understand the types, the chrematistics and t standard of iron and steel. And the goal of this week is to be able to explain these basic matter.							

	10週		rties of Iron and Steel, and its cteristics				Understand the types, the chrematistics and the standard of iron and steel. And the goal of this week is to be able to explain these basic matters.					
	Proper	perties of Asphalt, and its characteristics				Understand the types, the chrematistics and the standard of asphalt. And the goal of this week is to be able to explain these basic matters.						
	rties of Asphalt, and its characteristics				Understand the types, the chrematistics and the standard of asphalt. And the goal of this week is to be able to explain these basic matters.							
	Properties of Porymer Ma characteristics						this week is to be able to explain these basic matters.					
	14週		cies of Porymer Materials, and its ceristics				Understand the types, the chrematistics and the standard of porymer materials. And the goal of this week is to be able to explain these basic matters.					
	Properties of Timber and Stone, and its characteristics						Understand the types, the chrematistics and the standard of timber and stone. And the goal of this week is to be able to explain these basic matters.					
	16週 (Final Exam) Review of Final Exam											
モデルコアカリ:	キュラムの)学習内	容と到達	達目標								
分類	分野		学習内容						到達レベ	ル 授業週		
評価割合		•		•					•			
	Regular Exam		Short Test		Portfolio		entation and usiasm	Others	合語	合計		
総合評価割合	70		0		30	0		0	100	100		
Basic competence	20		0		10	0		0	30	30		
Profeesional competence	30		0		10	0		0	40	40		
Cross-sectoral competence	20		0		10	0		0	30	30		
	0		0		0	0		0	0	0		