Oyama College				Year 2022					Course Title Building Material Science			
Course	Inforn	nati	on	1								
Course Co			0041				Course Category Specialize		d / Compulsory			
Class Format Lecture						Credits	•	Academic	· · · · · · · · · · · · · · · · · · ·			
			ent of Architecture			Student Grade		3rd				
Term Second Se			emester			Classes per Week 2						
Textbook Teaching												
Instructor FUMINO Hikaru												
Course	Object	tive	S									
Rubric												
				Ideal Level			Standard Level			Unacceptable Level		
Achievement 1												
Achievement 2												
Achievement 3												
Assigne	d Dep	artr	ment Ob	jectives								
学習・教育	到達度	目標	2									
Teachin	a Met	hod										
Outline												
Style												
Notice												
Characteristics of Class / Division in Learning												
☐ Active	Learnir	ng		☐ Aided by ICT			☐ Applicable t	able to Remote Class				
Course	Plan							ı				
2nd Semeste r				Theme					Goals			
			1st	What are Construction Materials-JIS, JASS, Structural Materials, Finishing Materials				What are Building Materials?				
		2		Cement - hydration reaction, Portland cement, nixed cement				Understanding Cement				
				Materials for Concrete (1) - Fine Aggregate, Coarse Aggregate				Understanding the Constituent Materials of Concrete				
	3rd Quarte	er _	4th	Materials for Concrete (2) - Coarse Aggregates, Mixture Materials				Understanding the Constituent Materials of Concrete				
		į		Properties of Fresh Concrete (1) - Slump, A Content				Understanding the Properties of Concrete				
		6	5th I	Properties of Fresh Concrete (2) - Bleeding				Understanding the Properties of Concrete				
		7th		Concrete Preparation - Water Cement Ratio, Preparation Design					Understanding the Properties of Concrete			
		8	-	id-term examination								
		ġ	9th	roperties of hardened concrete (1) - Curing, ompressive strength				Understanding the Properties of Concrete				
		-	10th	Properties of hardened concrete (2 strength, flexural strength, Young's			- tensile modulus	Understanding the Properties of Concrete				
		-	1.1th	Concrete durability - freezing resistance, neutralization				Understanding the Properties of Concrete				
	4th Quarte	i.		Metallic materials (1) - Steel shapes, steel bars for concrete				Understanding Metallic Materials				
	Quarte			letallic materials (2) - nonferrous metals, alloy				Understanding Metallic Materials				
		-	14th	Vood materials (1) - softwood, fiber saturation point, strength				Understanding Wooden Materials				
				Vood materials (2) - allowable stress, durability				Understanding Wooden Materials				
			16th	inal examination								
Evaluati	ion Me	etho	d and W	/eight (%)								
	Examination			Presentatio	n	Mutual Evaluations between students	Behavior	Portf	olio	Other	Total	
Subtotal		0		0		0	0	0		0	0	
Basic Proficiency		0		0		0	0	0		0	0	
Specialized Proficiency		0		0		0	0	0		0	0	
Cross Area Proficiency		0		0		0	0	0		0	0	