Oyama College				Year 2022				ourse Title	Building Mater	rial Science	
Course	Inforn	nation									
Course Co		004	11			Course Category Specialize		ed / Compulsory			
Class Format Lecture		ture			Credits		Academic Credit: 2				
		partme	nt of Architectur	e	Student Grade 3rd		3rd				
Term Second Se						Classes per Week 2					
Textbook Teaching	and/or Materia	Is									
Instructor			MINO H	likaru							
Course	Obiect	tives									
Rubric	_										
Rubite				Ideal Level		Standard Level		Unacceptable Level			
Achievement 1											
Achievement 2											
Achievement 3											
Assigned Department Objectives											
学習·教育到達度目標 ②											
Teaching Method Outline											
Style Notice											
Characteristics of Class / Division in Learning											
□ Active Learning □ Aided by ICT □ Applicab								te Class	☐ Instructor Pr Experienced	ofessionally	
Course	Plan										
			TI	Theme			Goals				
2nd Semeste r		1st	W St	What are Construction Materials-JIS, JASS, Structural Materials, Finishing Materials				What are Building Materials?			
		2nd		ement - hydration reaction, Portland cement, iixed cement			Understanding Cement				
	3rd Quarte	3rd	M Co	aterials for Concrete (1) - Fine Aggregate, parse Aggregate			Understanding the Constituent Materials of Concrete				
		r 4th		Materials for Concrete (2) - Coarse Aggregates, Mixture Materials				Understanding the Constituent Materials of Concrete			
		5th		Properties of Fresh Concrete (1) - Slump, Air Content				Understanding the Properties of Concrete			
		6th	Pı	roperties of Fresh Concrete (2) - Bleeding			Understanding the Properties of Concrete				
		7th		Concrete Preparation - Water Cement Ration Preparation Design			Understanding the Properties of Concrete				
		8th	М	Mid-term examination							
		9th	Pr	roperties of hardened concrete (1) - Curing, ompressive strength				Understanding the Properties of Concrete			
		10th	Pr st	Properties of hardened concrete (2) - tensile strength, flexural strength, Young's modulus				Understanding the Properties of Concrete			
		11th		Concrete durability - freezing resistance, neutralization				Understanding the Properties of Concrete			
	4th Quarte	r 12th		Metallic materials (1) - Steel shapes, steel bars for concrete $% \left(1\right) =\left(1\right) +\left($				Understanding Metallic Materials			
		13th		Metallic materials (2) - nonferrous metals, alloy steels				Understanding Metallic Materials			
		14th	W po	Wood materials (1) - softwood, fiber saturation point, strength				Understanding Wooden Materials			
		15th	W	Wood materials (2) - allowable stress, durability				tanding W	Vooden Materials		
		16th Final examination									
Evaluati	ion Me	thod a	nd We	eight (%)							
Examin		Examina	tion	Presentation	Mutual Evaluations between students	Behavior	Portfo	lio	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	