

Oyama College		Year	2022		Course Title	Instrumental Analysis	
Course Information							
Course Code	0007		Course Category		Specialized / Elective		
Class Format	Lecture		Credits		Academic Credit: 2		
Department	Advanced Course of Materials Chemistry and Bioengineering		Student Grade		Adv. 1st		
Term	Second Semester		Classes per Week		2		
Textbook and/or Teaching Materials							
Instructor	ATSUMI Taro						
Course Objectives							
Rubric							
	Ideal Level		Standard Level		Unacceptable Level		
Achievement 1							
Achievement 2							
Achievement 3							
Assigned Department Objectives							
学習・教育到達度目標 ④ JABEE (A) JABEE (d-1)							
Teaching Method							
Outline							
Style							
Notice							
Characteristics of Class / Division in Learning							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
2nd Semester	3rd Quarter	1st	Crystal Structures (1)				
		2nd	Crystal Structures (2)				
		3rd	Crystal Structures (3)				
		4th	Crystal Defects, Non-Stoichiometry				
		5th	Solid Solutions				
		6th	Bonding in Solids				
		7th	Electrical Properties				
		8th	Mid-term Exam				
	4th Quarter	9th	Synthesis, Processing and Fabrication Methods				
		10th	X-Ray Diffraction (1)				
		11th	X-Ray Diffraction (2)				
		12th	Scanning Electron Microscope				
		13th	X-ray Photoelectron Spectroscopy				
		14th	Inductively Coupled Plasma Emission Spectroscopy				
		15th	Thermal Analysis				
		16th	End-term Exam				
Evaluation Method and Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	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