

Oyama College		Year	2022		Course Title	Calculus I b	
Course Information							
Course Code	0026		Course Category		General / Compulsory		
Class Format	Lecture		Credits		School Credit: 2		
Department	Department of Mechanical Engineering		Student Grade		2nd		
Term	Second Semester		Classes per Week		4		
Textbook and/or Teaching Materials							
Instructor	SUKOU Katsuya, OKADA So						
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 ③							
Teaching Method							
Outline							
Style							
Notice							
Characteristics of Class / Division in Learning							
<input type="checkbox"/> Active Learning		<input type="checkbox"/> Aided by ICT		<input type="checkbox"/> Applicable to Remote Class		<input type="checkbox"/> Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
2nd Semester	3rd Quarter	1st	Definite Integral Integration by Substitutions and Parts				
		2nd	Integration by Parts, Integration of Trigonometric Functions Quadrature, Riemann Sum and Definite Integral				
		3rd	Area and Volume				
		4th	Volume of Solids of Revolution Curve Length				
		5th	Area of Surfaces of Revolution Higher Derivatives				
		6th	Acceleration, Rolle's Theorem and Mean-value Theorem L'Hôpital's Rule				
		7th	Concavities and Inflection Points of Curves Parametric Curves				
		8th	Exam				
	4th Quarter	9th	Approximation by Polynomials and Series				
		10th	Euler's Formula Parametric Curves				
		11th	Parametric Curves Curves of Polar Coordinates				
		12th	Curves of Polar Coordinates Improper Integral				
		13th	Integral and Rate of Change Quadrature and Numerical Integration				
		14th	Integration and Inequality Definition of Differential Equations				
		15th	Separable Differential Equations Problem Session				
		16th	Exam				
Evaluation Method and Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Assignments	Total
Subtotal	95	0	0	0	0	5	100
Basic Proficiency	95	0	0	0	0	5	100
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0