

Oyama College		Year	2022		Course Title	Fundamental Mathematics I a	
Course Information							
Course Code	0010		Course Category		General / Compulsory		
Class Format	Lecture		Credits		School Credit: 2		
Department	Department of Architecture		Student Grade		1st		
Term	First Semester		Classes per Week		4		
Textbook and/or Teaching Materials							
Instructor	KUMASHIRO Shinya, 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							
☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
1st Semester	1st Quarter	1st	Addition and Subtraction of Polynomials Multiplication of Polynomials				
		2nd	Factoring and Division of Polynomials Synthetic Division				
		3rd	Remainder Theorem and Factor Theorem Greatest Common Divisors, Least Common Multiples				
		4th	Real Numbers Square Roots				
		5th	Fractional Equations Quadratic Formula				
		6th	Complex Numbers Complex Plane				
		7th	Discriminants, Relation between Roots and Coefficients Problem Session				
		8th	Mid-term Exam				
	2nd Quarter	9th	Factoring by Quadratic Formula, System of Equations Various Equations				
		10th	Linear Inequalities, System of Inequalities Quadratic Inequalities				
		11th	Equations and Inequalities with Absolute Values Identities				
		12th	Higher Order Equations and Inequalities Irrational Functions				
		13th	Rational Functions (1) Rational Functions (2)				
		14th	Power Functions, Even/Odd Functions Extensions of Exponents				
		15th	nth Roots Problem Session				
		16th	Final 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