

Toyama College		Year	2022		Course Title	Mathematics II B	
Course Information							
Course Code	0071		Course Category		General / Elective		
Class Format	Lecture		Credits		School Credit: 1		
Department	Department of International Business		Student Grade		2nd		
Term	Second Semester		Classes per Week		2		
Textbook and/or Teaching Materials							
Instructor	Sakurai Hideto,Nitta Yoshinori						
Course Objectives							
At the completion of this course, students will be able to understand and carry out fundamental calculations on trigonometric functions correctly.							
Rubric							
	Ideal Level		Standard Level		Unacceptable Level		
Achievement 1	Clearly understands, and is able to carry out fundamental calculations on trigonometric ratios and functions.		Ability to understand and carry out fundamental calculations on trigonometric ratios and functions.		Does not display understanding and is unable to carry out fundamental calculations on trigonometric ratios and functions.		
Achievement 2	Clearly understands, and is able to carry out fundamental calculations on the graphs of trigonometric functions.		Ability to understand and carry out fundamental calculations on the graphs of trigonometric functions.		Does not display understanding and is unable to carry out fundamental calculations on the graphs of trigonometric functions.		
Achievement 3	Clearly understands, and is able to carry out fundamental calculations on trigonometric equations and inequalities.		Ability to understand and carry out fundamental calculations on trigonometric equations and inequalities.		Does not display understanding and is unable to carry out fundamental calculations on trigonometric equations and inequalities.		
Assigned Department Objectives							
Teaching Method							
Outline	In this course, students will learn about basic mathematics, specifically: trigonometric ratios and functions. And, students will make basics calculations of them.						
Style	Lectures and exercises						
Notice	The recognition of credit requires 50 points or more rating.						
Characteristics of Class / Division in Learning							
<input type="checkbox"/> Active Learning		<input type="checkbox"/> Aided by ICT		<input checked="" type="checkbox"/> Applicable to Remote Class		<input type="checkbox"/> Instructor Professionally Experienced	
Course Plan							
			Theme	Goals			
2nd Semester	3rd Quarter	1st	Guidance	Guidance: Discuss the goals and structure of this course.			
		2nd	Trigonometric ratios	Learn the definition and the basic property of trigonometric ratios.			
		3rd	Law of Sines	Learn the low of sines.			
		4th	Law of Cosines	Learn the low of cosines.			
		5th	Radian -1-	Learn the definition and the basic property of radians.			
		6th	Radian -2-	Learn the definition and the basic property of radians.			
		7th	Trigonometric function -1-	Learn the definition and the basic property of trigonometric functions.			
		8th	Midterm exam	Midterm examination.			
	4th Quarter	9th	Trigonometric function -2-	Learn the basic property of trigonometric functions.			
		10th	Trigonometric function -3-	Learn the graphs of trigonometric functions.			
		11th	Trigonometric equation	Learn how to solve trigonometric equations.			
		12th	Trigonometric inequality	Learn how to solve trigonometric inequalities.			
		13th	Trigonometric Addition Formulas -1-	Learn the definition and the basic property of trigonometric addition formulas.			
		14th	Trigonometric Addition Formulas -2-	Learn some applications of trigonometric addition formulas.			
		15th	Final exam	Final examination.			
		16th	Summary	Summarize the study content and confirm grades.			
Evaluation Method and Weight (%)							
	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total

Subtotal	70	0	0	0	0	30	100
Basic Proficiency	70	0	0	0	0	30	100
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0