Toyama College			Year 2022			Course Title		Mathematics for Electronics and Computer I				
Course	Inform	natio	on									
Course Code 0057							Course Categor	ry Specialized		J / Elective		
Class Forr	nat		Lecture				Credits		School Cre	dit: 1		
Department		Departme Engineeri	nt of Electi na	ronics	and Computer	Student Grade	de 2nd					
Term First S			First Sem	ester			Classes per Wee	ek	2			
Textbook and/or Teaching Materials original t												
Instructor Yamaguchi Akifumi												
Course Objectives												
At the completion of this course, students will be able to 1. Understand the basics of electrical mathematics and trigonometric functions calculations. 2. Understand the basics of exponential and logarithmic calculations. 3. Understand the basics of calculation of the complex number using the Euler's formula.												
Rubric												
				Ideal Level			Standard Level		Unacceptable Level			
Achievem	ent 1			Can Understand the trigonometric functions calculations almost perfectly.			Can Understand the rigonometric functions calculations correctly.			Can't Understand the trigonometric functions calculations correctly.		
Achievem	Achievement 2				erstand rithmic erfectly	the exponential calculations	Can Understand the exponential and logarithmic calculations correctly.			Can't Understand the exponential and logarithmic calculations correctly.		
Achievement 3				Can Understand the calculation of the complex number using the Euler's formula almost perfectly.			Can Understand the calculation of the complex number using the Euler's formula correctly.		Can't Understand the calculation of the complex number using the Euler's formula correctly.			
Assigne	d Depa	artn	nent Obj	ectives								
Teaching Method												
Outline Students can understand the basic electrical mathematics (trigonometric functions calculations, exponential and logarithmic calculations, calculation of the complex number using the Fuler's formula)												
Style			Students	can easily l	learn e	electrical mathema	atics by using a s	pread	sheet softv	vare.		
Notice			In this sul	oject, units	are re	ecognized based o	on an evaluation	of 50 j	points or m	ore. Those who	have an	
Charact	eristic	s of	Class / I	Division i	in Lez	arning	ne commutery	CAUTIN				
☑ Active	Learnin	g		☑ Aided	by ICT	ſ	☑ Applicable to	Remo	ote Class	Instructor Pr Experienced	ofessionally	
Course Plan				homo				Goals				
		1	st E	Exponential calculations and logarit			imic Understand the e			exponential calculations and		
		2	nd E	alculations xponential	ations and logarit	hmic	Understand the exponential calculations and					
1st Semeste r		3	rd E	xponential	calcul	ations and logarit	hmic	Understand the exponential calculations and			ations and	
	1st	_ 4	th E	xponential	calcul	ations and logarit	hmic	Understand the exponential calculations and			ations and	
	Quarter	5	th E	alculations xponential	ations and logarit	hmic	Understand the exponential calculations and			ations and		
		6	th C	alculation of	of the	triangle ratio		Unders	stand the c	alculation of the triangle ratio		
		7	th C	alculation	of the	triangle ratio		Understand the calculation of the triangle rati			triangle ratio	
		8	th №	Mid-term exams								
		9	th C	Calculating trigonometric functions				Understand the calculating trigonometric functions				
		1	0th C	Calculating trigonometric functions					Understand the calculating trigonometric functions			
	2nd	1	1th C	Calculation of complex numbers					Understand the Euler's formula			
	Quarter	r 1	2th Calculation of complex numbers				Understand the Euler's formula					
		1	3th C	Calculation of complex numbers					Understand the Euler's formula			
		1	4th C	alculation (of com	iplex numbers		Understand the Euler's formula				
			6th	eturn and	comm	entary of the terr	n examination	+				
Evaluation Method and Weight (%)												
Exar		Exam	ination	Presentat	tion	Mutual Evaluations between	Behavior	Portfo	olio	Other	Total	
Subtotal		100		0		0	0	0		0	100	

Basic Proficiency	100	0	0	0	0	0	100
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0