Tsuyama Co	llege	Year	2021				Course Title	Electro	ectronic Circuits I	
Course Information	on									
Course Code 0071				Course Category		Specialized / Elective				
Class Format	Lecture			Credits		Academic Credit: 2				
Department	Department of Integrated Science and Technology Communication and Informations System Program			nce and d	Student Grade		4th			
Term	First Semester				Classes per Week 2					
Textbook and/or Teaching Materials	Textbooks : "Yoku wakaru Denshikairo no Kiso" (Denki Shoin)									
Instructor	MAEHARA Kenji									
Course Objectives										
Learning purposes : Feed analysis and des applied circuitry.	ign ability by	learning the	genei	ral knowledge	e of the electr	onic ci	rcuit which	will beco	me a stepping-stone to	
Course Objectives : 1. To explain the purp 2. To explain the char 3. To explain the char 4. To understand the	acteristics an acteristics an	d the theory d the theory	of the	e oscillation c e modulation	ircuit. circuit and th	e dem				
Rubric						1			_	
	Excellen			Good		Accep			Not acceptable	
Achievement 1	the purp an oscill modulat	dent can expla ose and use ation circuit, a ion circuit and lation circuit i	of a d a	The student the purpose an oscillation modulation of demodulation quite well.	and use of circuit, a circuit and a	the main points of the purpose and use of an		f ṫhe of an a t and a	The student cannot explain the purpose and use of an oscillation circuit, a modulation circuit and a demodulation circuit.	
Achievement 2	the char the theo	lent can expla acteristics an ry of the on circuit in	ain Id	The student the characte the theory of oscillation cir well.	istics and the mathematics the the the the second s		e student can explain main points of the racteristics and the ory of the oscillation uit.		The student cannot explain the characteristics and the theory of the oscillation circuit.	
Achievement 3	the char the theo modulat	dent can expla acteristics an ary of the ion circuit and odulation circ	nd d	The student the characte the theory of modulation of the demodul quite well.	ristics and f the circuit and	The student can explain the main points of the characteristics and the theory of the modulation circuit and the demodulation circuit.		of the d the dulation	The student cannot explain the characteristics and the theory of the modulation circuit and the demodulation circuit	
Achievement 4	the over	lent understa all electronic nd can analyz		The student the overall e circuit and ca quite well.	lectronic	The student understands the main points of the electronic circuit and can analyze it.		f the	The student cannot understand the overall electronic circuit and analyze it.	
Assigned Departn	nent Objec	tives								
Teaching Method										
Outline	General or Specialized : Specialized Field of learning : Electrical and Electronic Foundational academic disciplines : Engineering/Electricity and Electronics/Electronic devices, Electronic equipment Relationship with Educational Objectives : This class is equivalent to "(3) Acquire deep foundation knowledge of the major subject area". Relationship with JABEE programs : The main goal of learning / education in this class is "(A), A-2".									
	Course outline : Various electronic circuits are used in the devices and facilities of many fields, with the examples of information and communication technology, but also including the automation of machine tools, the examination of products, and for measurement. In this class, the student will learn about the oscillation circuit as the basic element that realize the concrete function of the electronic application field. Modulation and demodulation circuits will also be covered in class. In addition, the student will develop analytical ability by practicing problem-solving on the overall electronic circuit learned so far.									
Style	Course method : This course is opened in the second semester for 2 credit hours(90 minutes) in a week. Class proceeds using the blackboard, while organaizing important items in electronic circuit theory, including examples. In addition, practices and reports are assigned so that understanding deepens.									
	Grade evaluation method : Regular exams (70%) + Practice (30%). Examinations will be conducted a total of 2 times, and the evaluation ratios will be the same. Students with poor results may be retested. The limit of the score after retest is 60 points.									

Notice		Student in order 45 hour instructi Course a In this s knowled for lesso Foundat I (3rd) Related Attenda If you a	s must take this cla to complete the 4t s of study is require ons of the instructo advice : ubject, it is importa ge and understand ons, and to work on ional subjects : Ele subjects : Commur nce advice : re late for the start	bject, it is important to develop the ability to analyse circuits by practice as well as to gain and understanding of the circuit theory. It is necessary to review and make careful preparations and to work on problems actively. nal subjects : Electrical and Electronic Circuits(2nd year), Electric Circuits I (3rd), Electronic Circuits abjects : Communication Engineering(5th year), Advanced Communication Engineering(5th)							
Charact	eristics of	of Class /	' Division in Lea	rning							
Active Learning		□ Aided by ICT	-	Applicable	to Remote Class	<ul> <li>Instructor Professionally Experienced</li> </ul>					
Elect	tive n	nust c	omplete s	ubjects							
Course	Plan					•					
			Theme			Goals					
		1st	Not open								
		2nd									
	1st Quarter	3rd									
		4th									
		5th									
		6th									
		7th									
1st		8th									
Semeste		9th									
		10th									
		11th									
	2nd	12th									
	Quarter	13th									
		14th									
		15th									
		16th									
Evaluation Method and Weight (%)											
			Examination				Total				
Subtotal			70				100				
Basic Proficiency		0		0		0					
Specialized Proficiency		70		30		100					
Cross Area Proficiency		0		0		0					