Tsuyama Colleg		College	Year 2020				Course Advanced Communication Engineering			
Course	Informa	tion		1			1100	1-1191110		
Course Co		0148			Course Cated	aorv	Specialized / Elective			
Class Format Lecture			2		Credits	. · · · ·	Academi			
Department		Departm Technolo	Department of Integrated Science and Technology Communication and			de	5th			
Term		Year-rou	tions System Pro	gram	Classes per Week 1					
Textbook				ki Ichi Rikutoku • I		sses per week				
Teaching		<u> </u>		Term randond	Trancola ita	oranai b		(Bernasi	- Intolically	
Instructor		SHIMAD	A Takao							
Learning p	Objectiv purposes : ble to expl ble to expl	ain the pri	nciple of Radio A nfiguration and p	ct. rinciple of wireles:	s communicatio	on equipr	ment.			
Rubric									_	
		Exc	ellent	Good		Accepta	able		Not acceptable	
Achievement 1		of the	lerstands the prir he Radio Act and e to explain it urately.	of the Radi	Understands the principle of the Radio Act and is able to explain it.		Is able to explain the outline of the principle of the Radio Act.		The required standard has not been reached.	
Achievement 2		exp of w the Gro	Is able to accurately explain the configuration of wireless devices within the range of On-The-Ground Second-Class Special Radio Operator		Is able to explain the configuration of wireless devices within the range of On-The-Ground Second-Class Special Radio Operator		Can outline the configuration for wireless devices within the range of On-The-Ground Second-Class Special Radio Operator		The required standard has not been reached.	
<u>Assigne</u>	d Depar	tment Ob	ojectives							
Teachin	g Metho	d								
Outline Style Notice		Required Foundat engineer Relation of the m Course "Course Grade ev Exams (Regular general "Precaut number that requare requare required Foundat Electron	Field of learning: Electrical and Electronic Engineering Required, Elective, etc.: Elective subjects Foundational academic disciplines: Engineering / Electrical and electronic engineering / Communication engineering Relationship with Educational Objectives: This class is equivalent to "(3) Acquire deep foundation knowledge of the major subject area". Course outline: In this course, we will mainly learn about wireless communication technology and Radio Act. "Course method: Mainly, board-writing is used. Sometimes, practices regarding the foundation will be held. Grade evaluation method: Exams (80%) + Reports (20%). Regular examinations will be conducted a total of 2 times, and the evaluation ratios will be the same. As a general rule, we do not allow test. "Precautions on the enrollment: Students must take this class (no more than one-fifth of the required number of class hours missed) and earn the credit in order to complete the 5th year course. This is a ""class that requires study outside of class hours". Classes are offered for 15 hours per credit, but 30 credit hours are required in addition to this. Follow the instructions of your instructor for these studies. Foundational subjects: Electric Circuits I (3rd year), Electronic Circuits I (3th), Electric Circuits II (4th), Electronic Circuits II (4th), Electronic Circuits II (4th), Electronic Circuits II (4th), Electronic Circuits II (4th)							
Course	Plan	Accertual	nce advice . If yo	da do not understa	and the contem	t or the t	1055, USK	trie teaci	ici .	
Course	. 1011		Theme			Goals				
	3rd Quarter	1.c+	Guidance, Basic properties of electromagnetic							
		1st	waves			+	Principle of electromagnetic wave			
		2nd	Electromagnetic waves and radio w		waves	Various radio waves		aves		
2nd Semeste		3rd	Basic theory of antenna 1			Basic antenna				
		4th	Basic theory of antenna 2			 	Gain, Effective length			
		5th	Various antennas			Basic principle of various		of variou	s antennas	
		6th	Radio Act(Pupose, Lincense for Radio Stati							
		7th			,					
		8th	2nd semester m							
r			th Return and commenta		<i>'</i>					
		9th	Return and com	mentary or exam	answers			1		
	4+6	9th 10th		llation transmitter			itude mod guration	ulation t	ransmitter / receiver	
	4th Quarter		Amplitude modu	<u> </u>	/ receiver	config Frequ	guration		ransmitter / receiver	
		10th	Amplitude modu	llation transmitter	/ receiver	config Freque config	guration Jency mod	ulation t	, 	

	14th	Radio Act(Superv	ision, Penal Prov	isions)			
	15th	2nd semester final exam					
	16th	Return and comm	nentary of exam	answers			
Evaluation	Method and V	Veight (%)					
	Examination	Presentation	Mutual Evaluations between students	Behavior	Report	Other	Total
Subtotal	80	0	0	0	20	0	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	80	0	0	0	20	0	100
Cross Area Proficiency	0	0	0	0	0	0	0