Tsuyama College			Year	2021				Course Title	Engine	eering Ethics		
Course Information												
Course Code	0134					Course Cate	gory	General /	' Compu	Isory		
Class Format	mat Lecture					Credits		School C	redit: 2			
Department of Integrated Technology Electrical and Systems Program						Student Grade		5th	5th			
Term				Classes per V	Veek	reek 2						
Textbook and/or Teaching Materia						Ethics" (Maruzen Shuppan)						
Instructor KAMIYA Ken												
Course Objectives												
Learning purposes: The purpose of this class is to deepen the understanding of the impact of science and technology on society and nature and to develop the ability to recognize the responsibility as an engineer by examining engineering ethics in a case-by-case manner.												
Course Objectives:  1.To understand and explain the importance and the social background of engineering ethics.  2.To understand and explain the responsibilities of engineers for society, such as accountability, whistleblowers, product liability, and risk management.  3.To be able to respect the uniqueness of others and yourself with a public mind.												
Rubric				, , , ,								
. CODITO	Fx	cellen	t	Good			Accer	otable		Not acceptable		
Achievement 1		Can very well understand and explain the importance and the social background of engineering ethics.			Can well understand and explain the importance and the social background of		Can basically understand and explain the importance and the social background of engineering ethics.		ne social	Cannot understand and explain the importance		
Can ve and ex Achievement 2 respon		d expl sponsi	y well understa lain the ibilities of rs for society.	expla respo	understa ain the onsibilitioneers for		and e	Can basically understand and explain the responsibilities of engineers for society.		Cannot understand and explain the responsibilities of engineers for society.		
Achievement 3 unique			y well respect ess of others a with a public	he Can well respect the uniqueness of others and yourself with a public mind.			Can basically respect the uniqueness of others and yourself with a public mind.		ers and	Cannot respect the uniqueness of others and yourself with a public mind.		
Assigned Dep	artment C	) bjec	tives									
Teaching Met	hod											
	Genera	l or S	pecialized : Ge	neral								
	Field of	Field of learning: humanities										
		Foundational academic disciplines : philosophy/ethics										
Outline	This su  global	Relationship with Educational Objectives: This subject is equivalent to "(1) Cultivate human creative talent, rich in practical abilities", "(5) Attain a global perspective and understanding of social development", and" (7) Develop communication and presentation abilities".										
	Relatio The ma	Relationship with JABEE programs : The main goal of learning and education in this subject is "G-1".										
		Course outline: Due to the rapid progress of science and technology, we are facing unprecedented ethical problems that human beings have never imagined. This lecture systematically outlines engineering ethics.										
	Course possible	Course method : Students will study engineering ethics using the textbook, introducing as many examples as possible to avoid becoming overly abstract.										
Style  Grade evaluation method: The results of two regular examinations will be averaged and evaluated (100% Each regular examination will assign tasks to judge the achievement of the above goals. In principle, the will be no makeup exams.							and evaluated (100%). pals. In principle, there					
	Precaut of class	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.										
	Course class a	Course advice: Read the new on a daily basis and develop your interests. Review what you have learned in class and formulate any questions that you may have.										
Notice	Founda	Foundational subjects: Ethics(1st year)										
	Related	Related subjects: Modern Philosophy(Advanced course 2nd)										
	nuclear	Attendance advice: This is an environmental education course and a course related to the development of nuclear power core personnel. Students who are late for class will be absent from the course, but we will not allow students to miss one class if they are late several times.										
Characteristic	s of Class	/ Div	ivision in Learning						_			
☐ Active Learning			Aided by IC	Aided by ICT			☐ Applicable to Remote Class ☐ Instructor P			structor Professionally		
Must complete subjects												
Course Plan												
		Thei	me				Goa	als				

		1st	Introduction			General explana	tion of goals			
1st Semeste r			Why one must lea	rn engineering el	thics	Attainment targe				
			Why one must lea			Attainment target 1 Attainment target 1				
	1st		Why one must lea			Attainment target 1 Attainment target 1				
	Quarter		Why one must lea			Attainment target 1				
			Engineers in organ			Attainment targets 2 and 3				
		7th I	Engineers in organ	nizations		Attainment targets 2 and 3				
		8th I	Engineers in organ	nizations		Attainment targets 2 and 3				
		9th I	Engineers as profe	essionals		Attainment targets 2 and 3				
	2nd Quarter	10th	Engineers as profe	essionals		Attainment targets 2 and 3				
		11th I	Engineers as profe	essionals		Attainment targets 2 and 3				
		12th	International Stan	dards and Global	ization	Attainment targets 2 and 3				
		13th	International Stand	dards and Global	ization	Attainment targets 2 and 3				
		14th	International Stand	dards and Global	ization	Attainment targets 2 and 3				
		15th (	(1st semester fina	l exam)						
		16th I	Handback of exam papers with comments							
2nd Semeste r			Legal Responsibility and Intellectual Property Rights  Attainment targets 2 and 3							
			Legal Responsibilit Rights	y and Intellectua	Il Property	Attainment targets 2 and 3				
		3rd	Legal Responsibilit Rights	y and Intellectua	Il Property	Attainment targets 2 and 3				
	3rd Quarter	4th	Technology, Safety	y and the Enviror	nment	Attainment targets 2 and 3				
	Quarter	5th	Technology, Safety	y and the Enviror	nment	Attainment targets 2 and 3				
		6th	Technology, Safety	y and the Enviror	nment	Attainment targets 2 and 3				
			Design, Innovatior Technology	n and State-of-th	e-Art	Attainment targets 2 and 3				
		8th	Design, Innovatior Technology	n and State-of-th	e-Art	Attainment targets 2 and 3				
		9th	Design, Innovatior Technology	n and State-of-th	e-Art	Attainment targets 2 and 3				
		10th I	Risk and Decision-	making		Attainment targets 2 and 3				
			Risk and Decision-			Attainment targets 2 and 3				
	4th Quarter	12th	The Public Nature	of Engineering		Attainment target 3				
	Quarter	13th	The Public Nature	of Engineering		Attainment target 3				
			The Public Nature			Attainment target 3				
			(2nd semester fina							
		16th I	Handback of exam	papers with con	nments					
Evaluat	<u>ion Metl</u>	nod and W	/eight (%)							
	Examina		Presentation	Mutual Evaluations between students	Behavior	Portfolio	Assignment	Total		
Subtotal 10		0	0	0	0	0	0	100		
Basic Proficiency 70			0	0	0	0	0	70		
Specialized Proficiency			0	0	0	0	0	0		
Cross Area		1	0	0	0	0	0	30		