Tsuyama College			Year 2021						Course Title	ourse Medical and Welfare Title Engineering		
Course Information												
Course Co	ode	0166	166					Course Category		Specialized / Elective		
Class Format		Lecture	Lecture				Credits		Academ	Academic Credit: 2		
Department		Departm Technolo Informat	epartment of Integrated Science and echnology Communication and formations System Program				Student Grade		5th	5th		
Term		Year-rou	ear-round					Classes per Week		1		
Textbook	and/or Materials	PPT(Fror	(From lecturer)									
Instructor		CHO Feif	 D Feifei									
Course Objectives												
Learning purposes: To learn the basics of various technologies and human-centered engineering in the fields of medical and welfare engineering, which will lead to practical medical and welfare engineering technology.												
Course Objectives 1. To learn about human understanding and practical behavior in medical, welfare, and other fields. 2. To be able to explain medicine and welfare from the perspective of manufacturing or engineering. 3. To be able to explain the principles and overview of typical medical and welfare engineering equipment.												
Rubric												
		Exce	Excellent			Good		Acceptable			Not acceptable	
Achievement 1		Lear und prac mec othe	Learn about human understanding and practical behavior in medical, welfare, and other fields very well.			Learn about human understanding and practical behavior in medical, welfare, and other fields.		Lear unde prac med othe	Learn about human understanding and practical behavior in medical, welfare, and other fields not so good.		Doesn`t know human understanding and practical behavior in medical, welfare, and other fields.	
Achievem	ient 2	Be a mec from mar engi	Be able to explain medicine and welfare from the perspective of manufacturing or engineering very well.			Be able to explain medicine and welfare from the perspective of manufacturing or engineering.		Cannot explain medicine and welfare from the perspective of manufacturing or engineering.		nedicine the	Cannot explain medicine and welfare from the perspective of manufacturing or engineering very well.	
Achievem	ient 3	Able prin of ty welf equi	Able to explain the principles and overview of typical medical and welfare engineering equipment very well.			Able to explain the principles and overview of typical medical and welfare engineering equipment.		Can not explain the principles and overview of typical medical and welfare engineering equipment.		he erview I and ing	Cannot explain the principles and overview of typical medical and welfare engineering equipment very well.	
Assigne	d Depar	tment Ob	jectives	5								
Teachin	a Metho	d	2									
Outline		General Field of I Foundati Systems Relations Attain a Develop Relations Course c applications	General or Specialized : Specialized Field of learning : Integrated Subjects and others Foundational academic disciplines: Engineering/Mechanical Engineering/Intelligent Mechanics and Mechanical Systems Relationship with Educational Objectives :This class is equivalent to "(4) Develop multi-disciplinary ability (5) Attain a global perspective and understanding of social development (6) Develop problem solving ability (7) Develop communication and presentation abilities". Relationship with JABEE programs :The main goals of learning / education in this class is "(A) , A-1". Course outline: This course introduces students to the ideas, methods of thinking and knowledge, and applications that are fundamental to the study of ergonomics. Ergonomics "studies the relationship between humans and their living environment from the morphological, physiological, psychological, and behavioral									
Style		Course r reports. than 75	urse method: Students must prepare, review, and work on assignments after school and complete the ports. Don't be late. If you are more than 25 minutes late, once of classes will be canceled. If you are more an 75 minutes late, twice of classes, will be canceled.									
Notice Precautions on the enrollment : Students must take this class (no more than one-third of the required number of class hours missed) . 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. Notice Course advice: Preparatory study to be done in advance. Foundational subjects: Ethics (1st year), Engineering Ethics (5th) Related subjects: Medical and Welfare Engineering (5), Welfare Equipment Design (5)												
Characteristics of Class / Division in Learning												
□ Active Learning □ Aided by ICT □ Applicable to Remote Class □ Instructor Professionally Experienced												
Cauraa Dian												
1st Semeste r	1st Quarter	1.et	Guidance: What is Medical and Welfa						The course will not be offered this year			
		İst	Engineering?						ne course will	not be o	ffered this year.	
		2nd	System and Background				s with					
		3rd	Disabilities									
		4th	Self-support and nursing care support									
		5th	Business relevance					_				
		6th	Social Direction.									
		7th	Sensors, Transducers									

		8th	1st semester mid	-term exam							
		9th	Return and comm	entary of exam	answers						
		10th	Surgical and therapeutic devices								
		11th	Independence and	d assistive device	es						
	2nd	12th	Therapeutic and p	prosthetic device	S						
	Quarte	r 13th	Training Equipme	nt							
		14th	Future Developme	ent							
		15th	(1st semester fina	al exam)							
		16th	Return and comm	entary of exam	answers						
2nd Semeste r		1st									
		2nd									
		3rd									
	3rd	4th									
	Quarte	r 5th									
		6th									
		7th									
		8th									
		9th									
		10th									
		11th									
	4th	12th									
	Quarte	r 13th									
		14th									
		15th									
		16th									
Evaluation Method and Weight (%)											
		Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total			
Subtotal		50	10	10	0	10	20	100			
Basic Proficiency		0	0	0	0	0	0	0			
Specialized Proficiency		50	10	10	0	10	20	100			
Cross Area Proficiency		0	0	0	0	0	0	0			