

Tsuyama College		Year	2020		Course Title	Wellbeing Science and Assistive Technology
Course Information						
Course Code	0167		Course Category	Specialized / Elective		
Class Format	Lecture		Credits	Academic Credit: 2		
Department	Department of Integrated Science and Technology Communication and Informations System Program		Student Grade	5th		
Term	Year-round		Classes per Week	1		
Textbook and/or Teaching Materials	Textbooks:Japanese Society for Wellbeing Science and Assistive Technology, The Rehabilitation Engineering Society of JAPAN , "Wellbeing Science and Assistive Technology"(Korona Publishing co. ltd.)					
Instructor	YABUKI Noboru					
Course Objectives						
Learning purposes : Understand the basic principles of life support engineering, and explain the technology and environment required for support in daily life situations.						
Course Objectives : 1. Understand the basic principles of life support engineering. 2. The student can explain the basic concept of equipment design and environment maintenance. 3. The student can explain what is needed for support in each life situation, such as activities of daily living and communication.						
Rubric						
	Excellent	Good	Acceptable	Not acceptable		
Achievement 1	The student can use the basic philosophy of life support engineering.	The student can explain the basic philosophy of life support engineering.	The student can understand the basic philosophy of life support engineering(test).	The student can 't understand the basic philosophy of life support engineering.		
Achievement 2	The student can use the basic concept of equipment design and environment maintenance.	The student can explain the basic concept of equipment design and environment maintenance.	The student can understand the basic concept of equipment design and environment maintenance(test).	The student can't understand the basic concept of equipment design and environment maintenance.		
Achievement 3	The student can explain what is needed for support in each life situation, such as activities of daily living and communication ,and can think about applications.	The student can explain what is needed for support in each life situation, such as activities of daily living and communication.	The student can understand what is needed for support in each life situation, such as activities of daily living and communication(test).	The student can't understand what is needed for support in each life situation, such as activities of daily living and communication.		
Assigned Department Objectives						
Teaching Method						
Outline	General or Specialized : Specialized Field of learning : Interdisciplinary subjects/etc.(Medical and social welfare Program) Required, Elective, etc. : Elective must complete subjects, Not offered this year Foundational academic disciplines : Biomedical engineering and related fields / Medical assistive technology-related Relationship with Educational Objectives : This class is equivalent to "(4) Develop multi-disciplinary ability" Relationship with JABEE programs : The main goal of learning / education in this class is "(A)... A-1..." Course outline : In this class, it is the life support technology based on human resources and welfare equipment that will support the elderly and disabled in the future. In this course, the student will learn the basic matters necessary for independence support and long-term care support for the elderly and disabled, as well as technology and environment improvement to support living and employment.					
Style	Course method : Classes will be centered around writing on the board. The Student will proceed with the lessons while solving exercises as appropriate in order to deepen their understanding. In addition, reports and issues will be given according to the situation. (This class is a semi-annual subject) Grade evaluation method : Examination(70%)+Exercises and report assignments (30%). Examinations will be conducted a total of 2 times, and the evaluation ratios will be the same. ・ Each test does not allow notebooks to be brought in. ・ For those who have less than 60 points in each regular test, supplementary lessons will be given, and if the understanding can be confirmed by the retest, the points may be changed. However, the evaluation after the change shall not exceed 60 points.					

Notice	<p>Precautions on the enrollment : 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.</p> <p>Course advice :</p> <p>Foundational subjects : Subjects learned so far.</p> <p>Related subjects : Medical and Welfare Engineering(5th), Ergonomics(5th),Psychology for Human Services(5th),Welfare Equipment Design(5th),Biological Information Processing(5th),Biomeasurement Engineering(5th),Wellbeing Science and Assistive Technology(5th), Etc.</p> <p>Attendance advice : The student must make preparations / reviews and work on assignments outside of class hours and submit a report. If you do not understand the content of the lesson, ask the teacher. Late arrivals of 25 minutes or more are treated as one absence, and late arrivals of 75 minutes or more are treated as two absences.</p>
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Course Plan

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1st Semester	1st Quarter	1st	Not offered this year	
		2nd		
		3rd		
		4th		
		5th		
		6th		
		7th		
		8th		
	2nd Quarter	9th		
		10th		
		11th		
		12th		
		13th		
		14th		
		15th		
		16th		
2nd Semester	3rd Quarter	1st		
		2nd		
		3rd		
		4th		
		5th		
		6th		
		7th		
		8th		
	4th Quarter	9th		
		10th		
		11th		
		12th		
		13th		
		14th		
		15th		
		16th		

Evaluation Method and Weight (%)

	Examination	Exercise / report assignment	Total
Subtotal	70	30	100
Basic Proficiency	0	0	0
Specialized Proficiency	70	30	100
Cross Area Proficiency	0	0	0