

Tsuyama College		Year	2021	Course Title	General Aspects of Integrated Engineering IV
Course Information					
Course Code	0042		Course Category	Specialized / Elective	
Class Format	Lecture		Credits	School Credit: 2	
Department	Department of Integrated Science and Technology Communication and Informations System Program		Student Grade	3rd	
Term	Intensive		Classes per Week		
Textbook and/or Teaching Materials					
Instructor	CHO Feifei, SORI Hitoshi				
Course Objectives					
<p>Learning purposes: To learn the basic operations of 3D CAD, which is widely used as a tool for mechanical and electrical/electronic drafting, and to learn how to grasp the shape of objects and how to represent them.</p> <p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To explain the role and structure of CAD systems. 2. To understand and being able to use the basic capabilities of CAD systems. 3. To understand the roles and types of drawings. 					
Rubric					
	Excellent	Good	Acceptable	Not acceptable	
Achievement 1	Explain the role and structure of CAD systems very well.	Explain the role and structure of CAD systems.	Cannot explain the role and structure of CAD systems very well.	Has not reached the required standards.	
Achievement 2	Understanding and being able to use the basic capabilities of CAD systems very well.	Understanding and being able to use the basic capabilities of CAD systems.	Cannot understand or not being able to use the basic capabilities of CAD systems very well.	Has not reached the required standards.	
Achievement 3	Understanding the roles and types of drawings very well.	Understanding the roles and types of drawings.	Cannot understand the roles and types of drawings very well.	Has not reached the required standards.	
Assigned Department Objectives					
Teaching Method					
Outline	<p>General or specialized: Specialized Field of learning: Common and Basic Natural Sciences Foundational academic disciplines: Biology/Basic Biology Relationship with Educational Objectives :This class is equivalent to "(2) Acquire basic science and technical knowledge". Relationship with JABEE programs : The main goals of learning / education in this class are "(A) , A-1". Course outline: This course is designed for students who transfer from the departments of Mechanical Engineering, Electrical and Electronic Engineering, Electronic Control Engineering, and Computer Science and Engineering to the Department of Integrated Science and Engineering to acquire the academic skills that will not interfere with their studies. Specifically, lectures and exercises are given to first-year students of the Department of Integrated Science and Engineering with an emphasis on biology.</p>				
Style	<p>Course method : During long vacations, etc., lectures are given in a concentrated manner. Classes are based on assignment reports and exercises, and lectures are given as needed. Grade evaluation method: Notes (50%) and reports (50%).</p>				
Notice	<p>Precautions on the enrollment : Subject to 3rd year transfer students from the departments of Mechanical Engineering, Electrical and Electronic Engineering, Electronic Control Engineering, and Computer Science and Engineering. This course is held as an intensive course during the long vacation.</p> <p>Course advice: Introduction to CAD is a basic subject in the Department of Integrated Science and Engineering, and it is a subject to consolidate the foundation of learning after transferring to a new department. It is necessary to understand these subjects in order to study after transferring to another department. Preparatory study to be done in advance. Foundational subjects : Fundamentals of Integrated Science and Technology (1th year), Machine Design and Drawing I (2nd). Related subjects: Machine Design and Drawing II (3rd), Trans Exercise of All Program I (3rd), Trans Exercise of All Program II (4th), Mechanical System(5th)</p>				
Characteristics of Class / Division in Learning					
<input type="checkbox"/> Active Learning		<input type="checkbox"/> Aided by ICT		<input checked="" type="checkbox"/> Applicable to Remote Class	
				<input type="checkbox"/> Instructor Professionally Experienced	
Course Plan					
			Theme	Goals	
1st Semester	1st Quarter	1st	The course will not be 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	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	50	50	100
Basic Proficiency	0	0	0	0	50	50	100
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0