

Tsuyama College		Year	2021	Course Title	Introduction to Science and Engineering
Course Information					
Course Code	0001		Course Category	Specialized / Compulsory	
Class Format	Lecture		Credits	School Credit: 1	
Department	Department of Integrated Science and Technology Communication and Informations System Program		Student Grade	1st	
Term	First Semester		Classes per Week	2	
Textbook and/or Teaching Materials					
Instructor	MATSUDA Osamu,KATO Manabu,NISHIO Kimihiro,MIYASHITA Takuya				
Course Objectives					
Learning purposs: Learn the basic method of creating reports and the outline of each system. 1. To understand the basic flow of reporting. 2. To understand the outline of each system, organize their contents, and explain them in accurate sentences.					
Rubric					
	Ideal Level		Standard Level		Unacceptable Level
Achievement 1	Understand the basic flow of report creation and create an appropriate report based on it.		Understand the basic flow of reporting.		Cannot understand the basic flow of reporting.
Achievement 2	Understand the outline of each course, organize their contents, and explain them in accurate sentences.		Understand the outline of each course, organize their contents, and explain them in sentences.		Can't organize or explain the outline of each course.
Assigned Department Objectives					
Teaching Method					
Outline	General or Specialized : Specialized Field of learning : Interdisciplinary subjects Required, Elective: Elective must complete subjects Foundational academic disciplines: Relationship with Educational Objectives :This class is equivalent to (5) Attain a global perspective and understanding of social development,(6) Develop problem solving ability and (7) Develop communication and presentation abilities. Relationship with JABEE programs: The main goal of this subject are "(A)" , A-1. Course outline: Mathematics, Natural Sciences, Mechanical Engineering, Electrical / Electronic Engineering, Information Engineering Learn the outline of specialized subjects to be studied after the second year.				
Style	Course method: Divided into 4 classes, 4 weeks for each course, the outline of the specialized subjects to be studied after the 2nd grade will be taken up. Grade evaluation method : Advanced Science Course: Introduces interesting topics in mathematics, physics, chemistry, and biology. Mechanical System Course: Multiple faculty members will introduce a wide range of learning content, career paths, and research content. Electrical and Electronic System Course: Multiple faculty members will introduce a wide range of learning content, career paths, and research content. Communication and Information System Course: Multiple faculty members will introduce a wide range of information-system learning content, career paths, and research contents. Evaluation will be made based on the submission of reports, etc., assigned on the theme of each course. Evaluate each theme equally.				
Notice	Precautions on enrollment : I would like it as a hint for deciding the course to be assigned from the second year. Foundational subjects : Fundamental Mathematics Practice (1st year) Related subjects: Trans Exercise of All Program I (3rd year),Trans Exercise of All Program II (4th) Attendance advice : You can be late for up to 10 minutes, but if you are late frequently, you may be treated as absent after a warning.				
Characteristics of Class / Division in Learning					
<input type="checkbox"/> Active Learning		<input type="checkbox"/> Aided by ICT		<input type="checkbox"/> Applicable to Remote Class	<input type="checkbox"/> Instructor Professionally Experienced
Course Plan					
			Theme	Goals	
1st Semester	1st Quarter	1st	Comprehensive guidance, spring break manufacturing problem survey (all classes joint)		
		2nd	Spring Break Manufacturing Challenge Contest (Implemented separately for each theme)		
		3rd	Introduction to advanced science	Acquire the basic idea of mathematics in the advanced science course.	
		4th	Introduction to mechanical systems	Learn the basic idea of the mechanical system course.	

		5th	Introduction to electrical and electronic systems	Learn the basic idea of the electrical and electronic system course.
		6th	Introduction to information systems	Learn the basic idea of the information system course.
		7th	Introduction to advanced science	Acquire the basic idea of physics in the advanced science course.
		8th	Introduction to mechanical systems	Learn the basic idea of the mechanical system course.
	2nd Quarter	9th	Introduction to electrical and electronic systems	Learn the basic idea of the electrical and electronic system course.
		10th	Introduction to information systems	Learn the basic idea of the information system course.
		11th	Introduction to advanced science	Learn the basic ideas of chemistry and biology in the advanced science course.
		12th	Introduction to mechanical systems	Learn the basic idea of the mechanical system course.
		13th	Introduction to electrical and electronic systems	Learn the basic idea of the electrical and electronic system course.
		14th	Introduction to information systems	Learn the basic idea of the information system course.
		15th	Report creation guidance	
		16th		

Evaluation Method and Weight (%)

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	0	0	0	0	0	100	100
Basic Proficiency	0	0	0	0	0	100	100
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0