Oyama College	Year	2022	Course Title	Introduction to Mechanical Engineering

Course Information

Course Code	0002	Course Category	Specialized / Compulsory
Class Format	講義・実習	Credits	School Credit: 2
Department	Department of Mechanical Engineering	Student Grade	1st
Term	Year-round	Classes per Week	2
Textbook and/or Teaching Materials			
Instructor	TANAKA Koichi,YAMASHITA Susumu,IZAWA Satoru,NASU Yuki,KATO Takehito,IIZUKA Toshiaki,IMAIZUMI Fuminobu		

Course Objectives

1. Understanding of how to use tools and work safely.

Rubric

	Ideal Level	Standard Level	Unacceptable Level
Achievement 1			
Achievement 2			
Achievement 3			

Assigned Department Objectives

学習・教育到達度目標 ②

Teaching Method

Outline	
Style	
Notice	

Characteristics of Class / Division in Learning

☐ Active Learning	☐ Aided by ICT	☐ Applicable to Remote Class	☐ Instructor Professionally Experienced

Course Plan

			Theme	Goals
1st Semester	1st Quarter	1st	Explanation of mechanical engineering. What we study in the Department of Mechanical Engineering.	Explain the subjects that will be studied in mechanical engineering and how to write reports, etc., so that students can acquire the necessary skills as students of mechanical engineering.
		2nd	Tool and safety work 1	
		3rd	Tool and safety work 2	
		4th	Tool and safety work 3	
		5th	Engine assembly and disassembly 1	
		6th	Engine assembly and disassembly 2	
		7th	Engine assembly and disassembly 3	
		8th	Test	
	2nd Quarter	9th	Robot building and programming with Lego bricks 1	
		10th	Robot building and programming with Lego bricks 2	
		11th	Robot building and programming with Lego bricks 3	
		12th	Robot building and programming with Lego bricks 4	
		13th	Robot building and programming with Lego bricks 5	
		14th	Robot building and programming with Lego bricks 6	
		15th	Robot building and programming with Lego bricks 7	
		16th	Test	
2nd Semester	3rd Quarter	1st	Fundamentals of Information Technology 1 (Information Ethics and Information Security)	
		2nd	Fundamentals of Information Technology 2 (Information Processing System 1)	
		3rd	Fundamentals of Information Technology 3 (Information Processing System 2)	
		4th	Fundamentals of Information Technology 4 (Basis of WORD 1)	
		5th	Fundamentals of Information Technology 5 (Basis of WORD 2)	
		6th	Fundamentals of Information Technology 6 (Basis of EXCEL 1)	

		7th	Fundamentals of Information Technology 7 (Basis of EXCEL 2)	
		8th	Test	
	4th Quarter	9th	Mathematics for Mechanical Engineering 1	
		10th	Mathematics for Mechanical Engineering 2	
		11th	Mathematics for Mechanical Engineering 3	
		12th	Physics for Mechanical Engineering 1	
		13th	Physics for Mechanical Engineering 2	
		14th	Physics for Mechanical Engineering 3	
		15th	Physics for Mechanical Engineering 4	
		16th	Test	

Evaluation Method and Weight (%)

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