Tsuyama College	Year	2021		Course Title	Special Lecture on Advanced Engineering

Course Information

Course Code	0022		Course Category	Specialized / Elective
Class Format	Lecture		Credits	Academic Credit: 1
Department	Advanced Mechanical and Control System Engineering Course		Student Grade	Adv. 2nd
Term	Intensive		Classes per Week	
Textbook and/or Teaching Materials	Distribute reference materials as needed.			
Instructor	HOSOTANI Kazunori,TERAMOTO Takayuki,KONISHI Daijiro			

Course Objectives

Learning purposes :
By learning about the ever-increasing technological trends and recognizing the importance of technology in society, this subject will provide hints for new developments in research and learning.

Course Objectives :
1. Be able to know the trends of advanced technology, understand the contents of technology and engineering required in the world, and explain the outline appropriately.
2. Considering the relationship with society and the impact of technology on society, you can express your own thoughts and opinions regarding the direction of advanced technology.

Rubric

	Excellent	Good	Acceptable	Not acceptable
Achievement 1	You can thoroughly investigate the content of the lecture and write a exemplary report according to the task, including the content.	You can investigate the content of the lecture and write a exemplary report according to the task, including the content.	For tasks, you can write a report according to the task.	You have not reached the level shown on the left.
Achievement 2	Considering the relationship with society and the impact of technology on society, you can write a exemplary report that fully includes your own thoughts and opinions.	Considering the relationship with society and the impact of technology on society, you can write a exemplary report that includes your own thoughts and opinions.	You can write a report that includes your own thoughts and opinions.	You have not reached the level shown on the left.

Assigned Department Objectives

Teaching Method

Outline	* Relationship with practice: This subject participates in lectures and workshops designated by the advanced course and tackles the designated tasks. The lecture will be held by inviting lecturers who are involved in front-end technology at companies etc. Students will learn about the technological trends and the progress of the research in various fields, broaden your horizons, and learn about the impact of technology on society. General or Specialized : Specialized Field of learning : Common and basics of natural science Foundational academic disciplines : Engineering / social Science Relationship with Educational Objectives : This class is equivalent to "(6) Through extracurricular activities and participation in advanced technology lectures and academic societies, the student has learned to work with local communities and as well has acquired a global perspective". Relationship with JABEE programs : The main goal of learning / education in this class is "(A) A-1". Accompanyingly, it is also involved in "G-1". Since the content is diverse, it may be related to the development of humanity from a global perspective and the development of comprehensive abilities in collaboration with local communities. Course outline : This is a special lecture to learn about the contents directly related to the student's specialty, the technological trends and the progress of the research in each of the surrounding fields. Deepen your knowledge and broaden your horizons, and learn a wide range of relationships with society and the impact of technology on society.
Style	Course method : Students will independently select assignments from lectures, workshops, remote learning classes, etc. designated by the advanced course, participate in them, and complete the designated tasks. Information will be posted on the advanced course website and e-mail, so do not overlook it. Grade evaluation method : The instructor in charge will specify each task individually, but it is mainly based on the evaluation of the report on the task after the lecture. Participate in 7 or more lectures held as this subject, submit 4 or more small assignments, and get a passing score. If you get a passing score in 4 or more small tasks, the final credits will be approved by the Advanced Course Steering Committee at the end of the school year based on the 4 average scores from the one with the best grade.

			Notice	
Notice			Precautions on the enrollment : This subject is a "subject that requires study outside of class hours". A total of 45 hours of study is required per credit, including the class hours and study outside of class hours. For study outside of class hours, follow the instructions of the instructor. This subject is a special lecture, and you should be aware that the essence is only spoken in a short time in the lecture, take time for learning other than the lecture, and take sufficient time to tackle the tasks. Course advice : Download and print the advanced technology special lecture attendance confirmation form from the advanced course homepage in advance. Since it will be implemented on a wide range of themes, it is important to make efforts to expand knowledge without sticking to a narrow specialty. Therefore, as preparatory learning to be performed in advance, it is useful to learn the current situation and trends of front-end technology in Japan and overseas by reading the Nikkan Kogyo Shimbun and Nihon Keizai Shimbun. Foundational subjects : All the subjects you have learned. Related subjects : All the subjects you will learn. Attendance advice : This subject is related to nuclear human resources development. Since the class will be mainly conducted by an outside lecturer, be careful not to be rude as a student of our school.	

Characteristics of Class / Division in Learning

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

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Course Plan

			Theme	Goals
1st Semester	1st Quarter	1st	Guidance (conducted at the orientation at the beginning of the school year)	You can make an attendance plan for special lectures on this subject throughout the two years.
		2nd	Participation in lectures, workshops, remote learning classes, etc. designated by the instructor	You can investigate the content of the lecture and write a exemplary report according to the task, including the content. Considering the relationship with society and the impact of technology on society, you can write a exemplary report that includes your own thoughts and opinions.
		3rd	Participation in lectures, workshops, remote learning classes, etc. designated by the instructor	You can investigate the content of the lecture and write a exemplary report according to the task, including the content. Considering the relationship with society and the impact of technology on society, you can write a exemplary report that includes your own thoughts and opinions.
		4th	Participation in lectures, workshops, remote learning classes, etc. designated by the instructor	You can investigate the content of the lecture and write a exemplary report according to the task, including the content. Considering the relationship with society and the impact of technology on society, you can write a exemplary report that includes your own thoughts and opinions.
		5th	Participation in lectures, workshops, remote learning classes, etc. designated by the instructor	You can investigate the content of the lecture and write a exemplary report according to the task, including the content. Considering the relationship with society and the impact of technology on society, you can write a exemplary report that includes your own thoughts and opinions.
		6th	Participation in lectures, workshops, remote learning classes, etc. designated by the instructor	You can investigate the content of the lecture and write a exemplary report according to the task, including the content. Considering the relationship with society and the impact of technology on society, you can write a exemplary report that includes your own thoughts and opinions.
		7th	Participation in lectures, workshops, remote learning classes, etc. designated by the instructor	You can investigate the content of the lecture and write a exemplary report according to the task, including the content. Considering the relationship with society and the impact of technology on society, you can write a exemplary report that includes your own thoughts and opinions.
		8th	Participation in lectures, workshops, remote learning classes, etc. designated by the instructor	You can investigate the content of the lecture and write a exemplary report according to the task, including the content. Considering the relationship with society and the impact of technology on society, you can write a exemplary report that includes your own thoughts and opinions.
	2nd Quarter	9th	It is necessary to participate in the above lectures at least 7 times	
		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	Reports	Total
Subtotal	0	0	0	0	0	100	100
Basic Proficiency	0	0	0	0	0	0	0
Specialized Proficiency	0	0	0	0	0	100	100
Cross Area Proficiency	0	0	0	0	0	0	0