

Tsuyama College		Year	2021		Course Title	Career Management
Course Information						
Course Code	0060		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	4th		
Term	Second Semester		Classes per Week	2		
Textbook and/or Teaching Materials	Textbooks : "Shisutemuanzen Nyuumon" (Youkendo)					
Instructor	NISHIKAWA Kotaro					
Course Objectives						
Learning purposes : The students understand the function of engineer's career in the relationship between themselves and society. The students understand the meaning of service to society through their work(career), and the importance of safety knowledge at work.						
Course Objectives : 1. To imagine themselves working, and understand the importance of safety. 2. To understand the definition of safety, and the need of risk assessment. 3. To decide a theme of risk assessment, and practice.						
Rubric						
	Excellent	Good	Acceptable	Not acceptable		
Achievement 1	The student can understand system safety is very important for engineers, and the definition of safety completely.	The student can understand system safety is important for engineers, and the definition of safety.	The student can understand the definition of safety.	The student cannot understand the definition of safety completely.		
Achievement 2	The student can understand the need of risk assessment and the points of risk assessment for risk reduction, and practice risk assessment.	The student can understand the need of risk assessment and the points of risk assessment for risk reduction.	The student can understand the need of risk assessment and the meaning of risk reduction.	The student can understand neither need for risk assessment nor the meaning of risk reduction.		
Achievement 3	The student can identify some hazard sources about real themes and practice risk assessment, and propose some plans for risk reduction.	The student can identify at least one hazard source about real themes and practice risk assessment, and propose plan of risk reduction.	The student can identify at least one hazard source about real themes and practice risk assessment, and propose plan of risk reduction.	The student can identify hazard source about real themes but cannot practice it.		
Assigned Department Objectives						
Teaching Method						
Outline	※Relation of work experience : In this subject a teacher who has had a career in a company gives a class in PBL. The students experience risk assessment. The purpose of this class is understanding the function of an engineer's career in the relationship between themselves and society, the meaning of contribution to society through their work and the importance of safety knowledge at work. General or Specialized : Specialized Field of learning : Interdisciplinary ・ Others Foundational academic disciplines : Integrated Area / Integrated Engineering Relationship with Educational Objectives : This class is equivalent to "(4) Develop multi-disciplinary ability", "(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 learning / education in this class is "(G)" , G-1 also F-1,F-2 is involved. Course outline : On the basis of knowledge about "career" acquired in the special activities for the first three years, students will think about what they need to do to get a job. Students will also receive health and safety training and perform risk assessment for their employment.					
Style	Course method : Group discussion will be the main focus of the course, and students will understand the importance of safety. First, a case study discussion on health and safety is conducted. Then, the students set the theme and conduct a risk assessment for the theme. Grade evaluation method : Exams (5 0%) + Report (2 5 %)+ Presentation (2 5 %). Retaking exams will be carried out for the student who get under 60% in total score. The retaken exams are equivalent to the term exam. Students can use writing materials and calculator.					

Notice	<p>Precautions on the enrollment : Students must take this class(no more than one-third of the required number of class hours may be missed) .</p> <p>Course advice : Group work is the main activity. Students should be prepared to express their own opinions on the assigned topic to enable them to exchange their views with other members. To understand the basic rules of risk assessment.</p> <p>Foundational subjects : Physics I (1st year), Japanese I (1st), Chemistry I (2nd), Japanese II (2nd), Politics and economics(2nd), Chemistry II (3rd), Japanese III(3rd) Related subjects : Internship (4th year), Graduation thesis(5th), Special activity(1st-3rd)</p> <p>Attendance advice : Students need to take initiative in everything they do. Students must actively express their own opinions. Students are not given all the documents they need by their teachers; they need to find what they need on their own. Reports should be submitted by the deadline. If you are more than 25 minutes late for the start time, it will be regarded as 1 absence.</p>
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Characteristics of Class / Division in Learning

<input checked="" type="checkbox"/> Active Learning	<input checked="" type="checkbox"/> Aided by ICT	<input checked="" type="checkbox"/> Applicable to Remote Class	<input checked="" type="checkbox"/> Instructor Professionally Experienced
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E l e c t i v e m u s t c o m p l e t e s u b j e c t s

Course Plan

			Theme	Goals
2nd Semester	3rd Quarter	1st	Guidance, Responsibility of engineer	The students can understand the history of the transition from fault liability principle to product liability.
		2nd	Laws related to engineers(1)	The students can understand difference between product liability and professional negligence.
		3rd	Laws related to engineers(2)	The students can understand safety laws, and the importance of safety.
		4th	Need for risk assessment	The students can understand safety standards and types, and the definition of safety and the process of hazards occur.
		5th	Risk source identification and Risk estimation	The students can identify hazard sources and estimate risk for a given theme.
		6th	Risk assessment and Risk reduction	The students can evaluate risk of a given theme. The students can reduce risk until it is safe.
		7th	Risk assessment	The students can decide on a theme related to their study for risk assessment.
		8th	Mid-term exam	
	4th Quarter	9th	Return and commentary of exam answers, Risk assessment	The students can identify hazard source.
		10th	Risk assessment	The students can perform risk estimation and risk assessment.
		11th	Risk assessment	The students can understand risk reduction provision.
		12th	Report, Document of presentation	The students can explain risk assessment.
		13th	Presentation, Mutual evaluation(1)	The students can understand and estimate example of risk assessment.
		14th	Presentation, Mutual evaluation(2)	The students can understand and estimate example of risk assessment.
		15th	(Final exam)	
		16th	Return and commentary of exam answers	

Evaluation Method and Weight (%)

	Examination	Presentation	Mutual evaluation	Portfolio	Total
Subtotal	35	25	25	15	100
Basic Proficiency	10	5	5	5	25
Specialized Proficiency	20	10	10	10	50
Cross Area Proficiency	5	10	10	0	25