

Tsuyama College		Year	2022		Course Title	Information System Analysis
Course Information						
Course Code	0140		Course Category	Specialized / Elective		
Class Format	Lecture		Credits	Academic Credit: 2		
Department	Department of Integrated Science and Technology Communication and Informations System Program		Student Grade	5th		
Term	First Semester		Classes per Week	2		
Textbook and/or Teaching Materials	Textbook : "Kantan UML nyumon" by Akitoshi Takemasa and others (Gijutsu-Hyohron Co., Ltd.), Reference books ; distribute materials as needed.					
Instructor	HATA Yoshikazu,KITAMURA Morio					
Course Objectives						
Learning purposes : Learn structured-analysis design methods and object-oriented-analysis design methods required in the design of information systems. Learn about the necessity of project management, management methods, and business-flow analysis methods during the design process.						
Course Objectives : 1. To understand the basics of structured-analysis design methods and object-oriented analysis-design methods. 2. To be able to analyze requirements from users and do system analysis for system design. 3. To understand project-management techniques and business-flow analysis methods.						
Rubric						
	Excellent	Good	Acceptable	Not Acceptable		
Achievement 1	Can understand and explain the basics of structured-analysis design methods and object-oriented analysis-design methods.	Understands the basics of structured-analysis design methods and object-oriented analysis-design methods.	Somewhat understands the basics of structured-analysis design methods and object-oriented analysis-design methods.	Falls short of acceptable.		
Achievement 2	Able to perform requirement analysis and system analysis for complex problems.	Able to perform requirement analysis and system analysis for simple problems.	Able to perform requirement analysis and system analysis for very basic problems.	Falls short of acceptable.		
Achievement 3	Can understand and explain project-management methods and business-flow analysis methods.	Understands project-management techniques and business-flow analysis methods.	Somewhat understands project-management methods and business-flow analysis.	Falls short of acceptable.		
Assigned Department Objectives						
Teaching Method						
Outline	General or Specialized : Specialized Field of learning : Information Systems, Programming and Networking Required, Elective: Those who chose network programming should require this course Foundational academic disciplines : Informatics / Information Science, Information Technology and related fields / Software Relationship with Educational Objectives : This class is equivalent to "(3) Acquire deep foundation knowledge of the major subject area". Course outline : Learn the basics of object-oriented design and system analysis through study of Unified Modeling Language (UML), which is the standard notation for object-oriented analysis design. Also learn project-management techniques and business-flow analysis for pre-system-development problems.					
Style	Course method : The class is centered on lectures, and covers the basics of object-oriented programming and UML description methods, following the textbook. In addition, exercises are conducted to enhance understanding. This class will be offered in the first semester for two hours. Grade evaluation method : Two regular exams (70%) + Report submission status and content (20%) + Participation in group exercises and presentations (10%). The deadline for submitting a report is basically at the start of the class one week after the assignment is given. Textbooks and notebooks are not allowed for the examinations.					
Notice	Precautions on enrollment : This is a class that requires study outside of class hours. Classes are offered for 15 credit hours per credit, but 30 credit hours are required in addition to this. Follow the instructions of your instructor for these studies. Course advice : Students who are interested in UML, the unified modeling language, and the basics of software development, as well as students who aim to become system engineers (SEs) , are encouraged to attend this course. Foundational subjects : Basic Information Networks (2nd year), Information System Development (3rd), Advanced Information Networks (4th) etc. Related subjects : Graduation Thesis (5th) Attendance advice : Students are expected to learn about home appliances and online shops. If students are late for the start of class, they will be treated as absent after 15 minutes. Contact teacher : Hitoshi Sori, Communication and Information System Course, Department of Integrated Science and Technology					
Characteristics of Class / Division in Learning						

☐ Active Learning		☐ Aided by ICT		☐ Applicable to Remote Class		☐ Instructor Professionally Experienced	
Elective must complete subjects							
Course Plan							
			Theme	Goals			
1st Semester	1st Quarter	1st					
		2nd					
		3rd					
		4th					
		5th					
		6th					
		7th					
		8th					
	2nd Quarter	9th					
		10th					
		11th					
		12th					
		13th					
		14th					
		15th					
		16th					
Evaluation Method and Weight (%)							
	Examination	Presentation	Exercises and reports	Total			
Subtotal	70	10	20	100			
Basic Proficiency	0	0	0	0			
Specialized Proficiency	70	10	20	100			
Cross Area Proficiency	0	0	0	0			