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