Anan College	Year	2024	Course Title	Regional Planning

Course Information

Course Code	1814G02	Course Category	Specialized / Compulsory
Class Format	Lecture	Credits	Academic Credit: 2
Department	Course of Civil Engineering	Student Grade	4th
Term	Second Semester	Classes per Week	後期:2
Textbook and/or Teaching Materials	Community development project		
Instructor	Moriyama Takuro		

Course Objectives

1. Understand the significance and process of regional planning and community development.
2. Understand the requirements for community living, and understand the social background and community planning measures that affect community living.
3. Understand regional issues using probability statistics and statistical methods.
4. Understand the current situation of the region and think about problem extraction and problem solving.

Rubric

	Ideal Level	Standard Level	Unacceptable Level
Achievement 1	Understand population decline and aging problems, and be able to answer and explain appropriate problems.	Understand population decline and aging problems, and be able to answer the appropriate questions.	Understand population decline and aging issues.
Achievement 2	Understand the significance and process of regional planning and community development, and be able to answer and explain appropriate problems.	Understand the significance and progress of regional planning and community development, and be able to answer appropriate questions.	Understand regional planning and community development.
Achievement 3	Understand probability statistics and statistical processing, and be able to answer application problems.	Understand probability statistics and statistical processing, and be able to answer appropriate questions.	Understand probability statistics and statistical processing.
Achievement 4	Understand current situation analysis, optimization, and evaluation, and be able to answer application problems.	Understand current situation analysis, optimization, and evaluation, and can answer appropriate questions.	Understand current situation analysis, optimization, and evaluation.

Assigned Department Objectives

Teaching Method

Outline	Understand the significance and progress of regional planning and community development, and think about what is necessary to live in the region. In addition to learning about current problems and their solutions in urban development, we will discuss problems that are happening around us. Learn about probability statistics and statistical processing, and consider the conditions of livable areas and towns.
Style	For each item, proceed with the lesson in a form that incorporates many examples and reports. Since this course is a learning credit course, reports will be conducted as pre-learning and post-learning. We will carry out classes using the creative training technique method.(Depending on the number of students, etc., the technique method will be changed.) Aiming to build a sustainable community, propose actions that you think.
Notice	Regional planning is a dynamic academic field in which diverse stakeholders such as humans, organisms, and societies are interconnected. 1. What kind of area is a wonderful area? 2. What can we do to make the area better? 3. What kind of region is a sustainable region?

Characteristics of Class / Division in Learning

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

Course Plan

			Theme	Goals
2nd Semester	3rd Quarter	1st	Local issues	Explain the relationship between the current situation of declining birthrate and regional planning. Explain the relationship between the current state of aging and regional planning.
		2nd	Regional planning and community development	Understand the structure and examples of community development. Understand the development and maintenance of shopping streets and urban areas.
		3rd	Social background and regional planning	Understand exchange population, related population, and immigration.
		4th	Sustainable regional development	Understand exchange population, related population, and immigration.
		5th	Sustainable regional development	Understand exchange population, related population, and immigration.
		6th	Probability statistics and statistical processing	Understand the binomial distribution, Poisson distribution, normal distribution Gumbel distribution, and joint probability density function.

		7th	Probability statistics and statistical processing	Understand interval estimation.
		8th	Midterm examination	
	4th Quarter	9th	Probability statistics and statistical processing	Understand statistical tests (population mean, population mean difference).
		10th	Probability statistics and statistical processing	Understand statistical tests (population variance, population variance difference, population proportion).
		11th	Phenomenological analysis and multivariate analysis	Understand correlation coefficients. Understand simple regression analysis.
		12th	Multivariate analysis and optimization methods	Understand multiple regression analysis. Understand linear programming (illustration method, simplex method).
		13th	Optimization method·evaluation	Understand linear programming (network programming). Understand cost-benefit analysis.
		14th	Preparation of presentation materials	Students will be able to consider proposals aimed at building sustainable communities and summarize them as sentences.
		15th	Preparation of presentation materials	Students will be able to consider proposals aimed at building sustainable communities and summarize them as sentences.
		16th	Final exam return	

Evaluation Method and Weight (%)

	Examination	Presentation	Mutual Evaluations between students	Behavior	Portfolio	Other	Total
Subtotal	60	0	0	0	0	0	60
Basic Proficiency	60	0	0	0	0	0	60
Specialized Proficiency	0	0	0	0	0	0	0
Cross Area Proficiency	0	0	0	0	0	0	0