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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------|
| Anan College                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                           | Year                                             | 2024                                                                                        |                                                                                                                                      | Course Title                                                                    | City Planning                                                  |
| Course Information                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Course Code                                                                                                                                                                                                                                              | 1814G01                                                                                                                                                                                                                                                                                   |                                                  |                                                                                             | 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                                                                                                                                                                                                                       | Understanding city planning                                                                                                                                                                                                                                                               |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Instructor                                                                                                                                                                                                                                               | ,                                                                                                                                                                                                                                                                                         |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Course Objectives                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| 1. Understand the overview of urban planning in Japan and the world.<br>2. Understand Japanese urban planning and its framework.<br>3. Understand the roles, functions and research methods of transportation.<br>4. Understand traffic demand forecast. |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Rubric                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          | Ideal Level                                                                                                                                                                                                                                                                               |                                                  | Standard Level                                                                              |                                                                                                                                      | Unacceptable Level                                                              |                                                                |
| Achievement 1                                                                                                                                                                                                                                            | Understand and explain the outline of urban planning in Japan and the world, and be able to solve appropriate problems.                                                                                                                                                                   |                                                  | Understand and explain the outline of urban planning in Japan and the world.                |                                                                                                                                      | Understand the overview of urban planning in Japan and around the world.        |                                                                |
| Achievement 2                                                                                                                                                                                                                                            | Understand the outline of the City Planning Act and district divisions, be able to explain, and be able to solve appropriate problems.                                                                                                                                                    |                                                  | Understand and explain the overview of the City Planning Act and district divisions.        |                                                                                                                                      | Understand the overview of the City Planning Act and area divisions.            |                                                                |
| Achievement 3                                                                                                                                                                                                                                            | Understand and explain the roles, functions and research methods of transportation, and be able to answer appropriate questions.                                                                                                                                                          |                                                  | Understand and explain the roles, functions and research methods of transportation.         |                                                                                                                                      | Understand the roles, functions and research methods of transportation.         |                                                                |
| Achievement 4                                                                                                                                                                                                                                            | Can understand traffic demand forecasting (four-step demand forecasting procedure) and answer appropriate questions.                                                                                                                                                                      |                                                  | Understand and explain traffic demand forecasting (four-step demand forecasting procedure). |                                                                                                                                      | Understand traffic demand forecasting (four-step demand forecasting procedure). |                                                                |
| Assigned Department Objectives                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Teaching Method                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Outline                                                                                                                                                                                                                                                  | Human life can be expressed in four terms: “living”, “working”, “relaxing” and “moving”. traffic. Since urban planning is important to promote good urban activities, we will learn about various problems and their solutions and think about urban development that is easy to live in. |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Style                                                                                                                                                                                                                                                    | Lecture method [30 hours of class time + 60 hours of self-study time]<br>Since this course is a learning credit course, reports will be conducted as pre-learning and post-learning.                                                                                                      |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Notice                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Characteristics of Class / Division in Learning                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| <input type="checkbox"/> Active Learning                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                           | <input checked="" type="checkbox"/> Aided by ICT |                                                                                             | <input type="checkbox"/> Applicable to Remote Class                                                                                  |                                                                                 | <input type="checkbox"/> Instructor Professionally Experienced |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
| Course Plan                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                           |                                                  |                                                                                             |                                                                                                                                      |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           |                                                  | Theme                                                                                       | Goals                                                                                                                                |                                                                                 |                                                                |
| 2nd Semester                                                                                                                                                                                                                                             | 3rd Quarter                                                                                                                                                                                                                                                                               | 1st                                              | Urban planning in the world                                                                 | Understand the theory of ancient times, Renaissance, baroque, ideal industrial, and garden city.                                     |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           | 2nd                                              | Urban planning in the world                                                                 | Understand neighborhood theory, Greenbelt, Greater London Plan, and New Town.                                                        |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           | 3rd                                              | Japanese urban planning and framework                                                       | Understand national land, regions, and comprehensive development plans. Understand comprehensive development plans and master plans. |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           | 4th                                              | Land use plan                                                                               | Understand area division, regional planning, and district planning.                                                                  |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           | 5th                                              | Urban facilities and urban area development projects, renewal plans                         | Understand urban facilities and urban development projects. Understand the development and renewal of new towns.                     |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           | 6th                                              | Urban disaster prevention・Landscape                                                         | Understand urban disaster prevention structures, landscapes and landscape elements.                                                  |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           | 7th                                              | Sustainable urban structure                                                                 | Understand sustainable city models, public transportation and community development.                                                 |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           | 8th                                              | Midterm examination                                                                         |                                                                                                                                      |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          | 4th Quarter                                                                                                                                                                                                                                                                               | 9th                                              | Significance and Purpose of Traffic Engineering                                             | Understand the significance and purpose of traffic engineering. Understand various survey methods and indicators.                    |                                                                                 |                                                                |
|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           | 10th                                             | Traffic demand forecasting (four-step demand forecasting procedure)                         | Understand trip generation volume and trip attraction volume.                                                                        |                                                                                 |                                                                |

|  |  |      |                                                                     |                                                                               |
|--|--|------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|
|  |  | 11th | Traffic demand forecasting (four-step demand forecasting procedure) | Trip generation volume and trip attraction volume can be calculated.          |
|  |  | 12th | Traffic demand forecasting (four-step demand forecasting procedure) | Understand traffic distribution (Flater method·Gravity model).                |
|  |  | 13th | Traffic demand forecasting (four-step demand forecasting procedure) | Traffic distribution (Flater method·Gravity model) can be calculated.         |
|  |  | 14th | Traffic demand forecasting (four-step demand forecasting procedure) | Traffic distribution (Flater method·Gravity model) can be calculated.         |
|  |  | 15th | Traffic demand forecasting (four-step demand forecasting procedure) | Understand transportation behavior model. Understand assigned traffic volume. |
|  |  | 16th | Final exam return                                                   |                                                                               |

#### Evaluation Method and Weight (%)

|                         | Examination | Presentation | Mutual Evaluations between students | Behavior | Portfolio | Other | Total |
|-------------------------|-------------|--------------|-------------------------------------|----------|-----------|-------|-------|
| Subtotal                | 60          | 0            | 0                                   | 0        | 40        | 0     | 100   |
| Basic Proficiency       | 10          | 0            | 0                                   | 0        | 30        | 0     | 40    |
| Specialized Proficiency | 50          | 0            | 0                                   | 0        | 10        | 0     | 60    |
| Cross Area Proficiency  | 0           | 0            | 0                                   | 0        | 0         | 0     | 0     |