NAME OF SUBJECT : BUILDING PLANNING I
CODE OF SUBJECT : TSP 224
DIVISION/PROGRAM : CIVIL ENGINEERING AND PLANNING EDUCATION
SEMESTER : V (FIVE)
LESSON : 4-6
TIME ALLOCATION : 300 MINUTES

COMPETENCY :
1. Understand and be able to formulate the type of space needed on a public building function
2. Able to calculate each space dimension and calculate the minimum land area requirement

SUB-COMPETENCY :
1. To set types of space needed on a public building function
2. To calculate space dimension and calculate minimum land area requirement.

INDICATOR OF COMPETENCY ACHIEVEMENT :
1. Student able to analyze the space requirements of a public function building based on the occupants characteristic and activities; then able to grouping them into spatial zoning.
2. Student able to calculate the dimension of each space by applying a space requirement standard or anthropometric standard
3. Student able to calculate the total land area requirement in accordance with local BCR provision

I. THE GOAL OF STUDY

1. To explain the space requirements analysis of a public function building based on the occupants characteristic and activities and to explain spatial grouping into spatial zoning.
2. To explain the dimension calculation of each space by applying a space requirement standard or anthropometric standard
3. To explain the calculation of the total land area requirement in accordance with local BCR provision

II. SUBJECT OF STUDY
1. Type of space determination
2. Spatial dimension calculation
3. Total land area calculation
III. METHOD OF STUDY
To achieve the specified competencies, the study is conducted by applying various methods include:

a. Lecture in class
b. Discussion on specific topic
c. Quiz
d. Study case
e. Assignment

IV. STEP OF STUDY

1. Introduction (30 minutes)

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<tr>
<th>No</th>
<th>Step</th>
<th>media</th>
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<tbody>
<tr>
<td>1</td>
<td>Lecturer explains the importance of space requirements analysis and precisely estimating the number of space in a building</td>
<td>whiteboard, Laptop/computer and LCD + LC screen</td>
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<tr>
<td>2</td>
<td>Lecturer explains the technique to calculate the dimension of each space</td>
<td>whiteboard, Laptop/computer and LCD + LC screen</td>
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2. Main course (250 minutes)

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<tr>
<td>1</td>
<td>Lecturer explains in detail the technique to calculate the dimension of space and spatial area needed, accompanied with the example ways to calculate it.</td>
<td>Reference book, whiteboard, Laptop/computer and LCD + LC screen</td>
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<tr>
<td>2</td>
<td>Lecturers give the examples of analysis and principles spatial dimension calculations on public buildings case</td>
<td>Reference book, whiteboard, Laptop/computer and LCD + LC screen</td>
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<td>3</td>
<td>Questions and discussion</td>
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3. Closings (20 minutes)

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<tr>
<td>1</td>
<td>Lecturer gives the quizzes or short question concerning the given topic to provoke the student memories</td>
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<td>2</td>
<td>Lecturer summarizes the course in an outline explanation</td>
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<td>3</td>
<td>Lecturer ask the student to set space dimension calculation to be presented in the next class</td>
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V. MEDIA

Media used in this learning process include:
- Overhead Projector/OHP
- Laptop and power point software
- Viewer/LCD and LCD screen
- Whiteboard

VI. RESOURCES / REFERENCES

1. Sumardjito, Pokok-pokok Materi Kuliah Perencanaan Bangunan 1, 2005
2. Fakultas Teknik UI, Perancangan Yang Sistematis,
3. Christoper Jones, Design Method
4. Ernest Neufert, Architect Data
5. Edward T. White, Site Analysis

VII. ASSESSMENT STANDARD

1. Assessment technique: Evaluate and assess the quality of student assignment substantially and technically
2. Assessment scoring:
   a. Assignment score: 80%
   b. Examination score: 20%
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YOGYAKARTA STATE UNIVERSITY |
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<tbody>
<tr>
<td>BUILDING PLANNING 1</td>
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<td>Semester V</td>
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<tr>
<td>ANALYSIS OF SPATIAL NEED AND DIMENSIONS</td>
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<td>300 minutes</td>
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<td>No. RPP/TSP/TSP 224/04-05</td>
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