Subject : Cost Estimation
Subject code : TSP 231
Study program : Civil Engineering and Planning Education
Semester : V
Week : 1-2
Time allocation : 2 X 50 minutes

STANDARD OF COMPETENCY
Having knowledge about the importance of cost estimation, project resources, related sides in project, kind of payments for planner, contractor and supervisor, and also having ability to calculate the global cost and detail cost estimation of a project

BASIC COMPETENCE :
1. explain the importance of cost estimation
2. explain the component of project resources

INDICATORS OF ACHIEVED COMPETENCE :
1. explain the importance of cost estimation
2. explain the component of project resources

I. COURSE OBJECTIVES
1. to be able to explain the importance of cost estimation
2. to be able to explain the component of project resources
3. to be able to explain of each component of project resources

II. COURSE MATERIALS
1. meaning of cost estimation
2. meaning of project resources
3. component of project resources

III. TEACHING AND LEARNING METHOD
1. presentation
2. discussion

IV. TEACHING AND LEARNING STEPS
A. Opening
1. explaining course objectives
2. aperception, giving oral test
3. motivating
B. Main Activities
   1. Explain the importance of cost estimation
   2. Explain the project resources
   3. Explain the component of project resources

C. Closing
   1. Sampling oral post test
   2. summarizing

V. LEARNING AND TEACHING TOOLS
   1. white board and boardmarker
   2. computer and LCD

VI. REFERENCES
   2. Erviato, Wulfram I, 2005, Manajemen Proyek Konstruksi, Andi Offset, Yogyakarta

VII. SCORING
   1. Techniques: written and oral test
   2. Score range: 0-100
<table>
<thead>
<tr>
<th>Prepared by:</th>
<th>Dilarang memperbanyak sebagian atau seluruh isi dokumen tanpa ijin tertulis dari Fakultas Teknik Universitas Negeri Yogyakarta</th>
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<tr>
<td>Sativa, MT.</td>
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**FAKULTAS TEKNIK**
**UNIVERSITAS NEGERI YOGYAKARTA**

**TEACHING-LEARNING PLAN OF COST ESTIMATION**

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<tr>
<th>No. RPP/TSP/TSP 231</th>
<th>Revision: 00</th>
<th>date 15 Pebruari 2009</th>
<th>Page: 3 of 2</th>
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<tr>
<td>fifth semester</td>
<td>Basis concept of cost estimation and project resources</td>
<td>2x50 minutes</td>
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**Prepared by:** Sativa, MT.

**Checked by:** Drs. Agus Santoso, MPd.