

Short Course Description	The "Civil Engineering and Territory" course aims to provide an in-depth understanding of the role of civil engineering in the development and development of urban areas. Students will learn about the complex interactions between physical infrastructure, the built environment, and socio-economic aspects in the context of regional planning and management through lectures, discussions, case studies, and applied projects. Materials that will be covered include basic civil engineering principles such as modeling and structural analysis, highway design, wastewater, and building maintenance. However, this approach is also expanded to consider the regional implications of infrastructure projects, including their impact on the natural environment, human settlements, transportation, and community quality of life.						
References	Main :						
	1. "Urban Planning and Design Criteria" oleh Frederick R. Steiner dan Kent Butler. "Transportation Engineering: Planning and Design" oleh Paul H. Wright dan Karen Dixon. "Sustainable Urban Development Reader" oleh Stephen M. Wheeler dan Timothy Beatley. "Principles of Highway Engineering and Traffic Analysis" oleh Fred L. Mannering, Scott S. Washburn, dan Walter P. Kilareski. "Introduction to Environmental Engineering and Science" oleh Gilbert M. Masters dan Wendell P. Ela. "Urbanization: An Introduction to Urban Geography" oleh Paul L. Knox dan Linda McCarthy. "Introduction to Transportation Engineering" oleh James H. Banks dan Lena Ma.						
	Supporters:						
Supporting lecturer							
Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)
		Indicator	Criteria & Form	Offline (offline)	Online (online)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Understand the Principles of Regional Planning	Students are able to understand the basic principles of regional planning, including urban development, land use, transportation, infrastructure and environmental management.	Criteria: Students are able to understand the basic principles of regional planning, including urban development, land use, transportation, infrastructure and environmental management. Form of Assessment : Participatory Activities	Discussion	Discussion	Material: Students are able to understand the basic principles of regional planning, including urban development, land use, transportation, infrastructure and environmental management. References:	2%
2	Identifying Challenges and Opportunities in Regional Planning.	Identifying Challenges and Opportunities in Regional Planning.	Criteria: Identifying Challenges and Opportunities in Regional Planning. Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Discussions & lectures	Discussions & lectures	Material: Identifying Challenges and Opportunities in Regional Planning. References:	5%
3	Develop Planning and Design Skills	Develop Planning and Design Skills	Criteria: Develop Planning and Design Skills Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Discussions & lectures	Discussions & lectures	Material: Developing Library Planning and Design Skills :	5%
4	Understanding the Role of Civil Engineering in Regional Planning	Understanding the Role of Civil Engineering in Regional Planning	Criteria: Understanding the Role of Civil Engineering in Regional Planning Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Discussions & lectures	Discussions & lectures	Material: Understanding the Role of Civil Engineering in Regional Planning Literature:	5%
5	Applying the Latest Technology in Regional Planning	Applying the Latest Technology in Regional Planning	Criteria: Applying the Latest Technology in Regional Planning Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Discussions & lectures	Discussions & lectures	Material: Applying the Latest Technology in Regional Planning Literature:	5%

6	Integrating Aspects of Diversity and Sustainability	Integrating Aspects of Diversity and Sustainability	<p>Criteria: Integrating Aspects of Diversity and Sustainability</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	Discussions & lectures	Discussions & lectures	<p>Material: Integrating Aspects of Library Diversity and Sustainability:</p>	5%
7	Participate in Projects and Case Discussions	Participate in Projects and Case Discussions	<p>Criteria: Participate in Projects and Case Discussions</p> <p>Form of Assessment : Participatory Activities</p>	Discussions & lectures	Discussions & lectures	<p>Materials: Participate in Projects and Case Discussions Literature:</p>	10%
8	Midterm exam	Midterm exam	<p>Criteria: Midterm exam</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	Written	Written	<p>Material: UTS Library:</p>	20%
9	Develop Communication and Presentation Skills	Develop Communication and Presentation Skills	<p>Criteria: Develop Communication and Presentation Skills</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	Discussions & lectures	Discussions & lectures	<p>Material: Developing Communication and Presentation Skills Literature:</p>	2%
10	Develop Communication and Presentation Skills	Develop Communication and Presentation Skills	<p>Criteria: Develop Communication and Presentation Skills</p> <p>Form of Assessment : Participatory Activities, Practice/Performance</p>	Discussions & lectures	Discussions & lectures	<p>Material: Developing Communication and Presentation Skills Literature:</p>	10%
11	Develop Communication and Presentation Skills	Develop Communication and Presentation Skills	<p>Criteria: Develop Communication and Presentation Skills</p> <p>Form of Assessment : Project Results Assessment / Product Assessment</p>	Discussions & lectures		<p>Material: Developing Communication and Presentation Skills Literature:</p>	5%
12	Develop Communication and Presentation Skills	Develop Communication Skills	<p>Criteria: Develop Communication and Presentation Skills</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	Discussion	Discussion	<p>Material: Developing Communication and Presentation Skills Literature:</p>	2%
13	Applying the Latest Technology in Regional Planning	Applying the Latest Technology in Regional Planning	<p>Criteria: Applying the Latest Technology in Regional Planning</p> <p>Form of Assessment : Participatory Activities</p>	Discussion		<p>Material: Applying the Latest Technology in Regional Planning Literature:</p>	2%
14	Applying Latest Technology in Regional Planning:	Applying the Latest Technology in Regional Planning	<p>Criteria: Applying the Latest Technology in Regional Planning</p> <p>Form of Assessment : Participatory Activities</p>	Discussion		<p>Material: Applying the Latest Technology in Regional Planning Literature:</p>	1%
15	Applying the Latest Technology in Regional Planning	Applying the Latest Technology in Regional Planning	<p>Criteria: Applying the Latest Technology in Regional Planning</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	Discussion		<p>Material: Applying the Latest Technology in Regional Planning Literature:</p>	1%

16	Final exams	Final exams	Criteria: Final exams Form of Assessment : Project Results Assessment / Product Assessment, Test	Written		Material: UAS Literature:	20%
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Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	35%
2.	Project Results Assessment / Product Assessment	50%
3.	Practice / Performance	5%
4.	Test	10%
		100%

Notes

- 1. Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- 2. The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- 3. Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. Indicators for assessing** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment:** test and non-test.
- 8. Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- 9. Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- 12. TM=Face to face, PT=Structured assignments, BM=Independent study.**