


**Land Use Planning and Development**

	<b>SEMESTER LEARNING PLAN</b>							
	DEPARTMENT: URBAN AND REGIONAL PLANNING							
	FACULTY: CIVIL, PLANNING, AND EARTH							
<b>COURSES NAME</b>	LAND USE PLANNING AND DEVELOPMENT							
<b>COURSES CODE</b>	DK184307							
<b>SEMESTER</b>	III							
<b>CREDITS</b>	3 SKS (4.8 ECTS)							
<b>LECTURER</b>	Putu Gde Ariastita, ST, MT							
	Ardy Maulidy Navastara, ST, MT							
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I Dewa Made Frendika Septanaya, ST, MT, MSc, Ph.D								
<b>study materials</b>	BK 1	BK 2	BK 3	BK 6	BK 7	BK 8	BK 21	BK 46
	Urban Theory & concept	Urban planning approaches and procedures	Technical Analysis of urban planning	Regional theory & concepts	Regional planning approaches & procedures	Teknik Analisis perencanaan wilayah	physical characteristics of the environment	Theory & concept of space
<b>PROGRAM LEARNING OUTCOME (PLO)</b>								
<b>SPESIFIC KNOWLEDGE</b>	1.3	Able to apply the methods of spatial planning/aspatial in decision making						
<b>SPESIFIC SKILLS</b>	2.3	Able to analyze the spatial characteristics of urban, regional and coastal area through the linkage between of spatial and aspatial aspects to provide information as the basis for planning and modelling						
<b>Courses Learning Outcome (CLO)</b>								
<b>SPESIFIC KNOWLEDGE</b>	1. Students are able to understand the concept of stewardship of urban and regional land							
<b>SPESIFIC SKILLS</b>	2. Students are able to understand the procedures and regulations in stewardship of urban and regional land							
	3. Students are able to perform land and municipal land use analysis							

<b>MAP OF PLO-CLO</b>	CLO	PLO-1	PLO-2	PLO-3	PLO-4	PLO-5	PLO-6	PLO-7	PLO-8	PLO-9	PLO-10	PLO-11
	CPMK-1. Students are able to understand the concept of urban land management and territory.			1								
	CPMK-2. Students are able to understand regulations in land management in urban and regional areas			1								
	CPMK-3. Students are able to conduct land use analysis of cities and regions						1					

**LAND USE PLANNING AND DEVELOPMENT COURSE LEARNING PLAN**  
**ODD SEMESTER OF ACADEMIC YEAR 2021–2022**

Week	MODULE LEARNING OUTCOME	MODULE	Learning Methods	Course duration (minutes)	Modes of delivery (presentations, assignments, discussions, quizzes, practicum)	Performance Criteria and Indicators	Score
1	2	3	4	5	6	7	8
1	Students are able to understand the concept of stewardship of urban and regional land	Review of Urban and Regional Concepts	Lecture, Discussion	150	Discussion		
				150	Assistance		
				180	Literature Studies		
2		Land Concepts	Lecture, Discussion	150	Discussion		
				150	Assistance		
				180	Self-Learning		
3		Land Value	Lecture, Discussion	150	Discussion		
				150	Assistance		
				180	Self-Learning		
4		Classification of Land Use	Lecture, Discussion	150	Discussion		
				150	Assistance		
				180	Self-Learning		
5		Issues and Problems of Land Use in Urban and	Lecture, Discussion	150	Discussion		
				150	Assistance		

		Region		180	Self-Learning		
6		Evaluation of Land Use Concepts	Test and Collection Of Journal Articles Review Task	150	Quiz and Tasks	Accuracy of Understanding in explaining the concept of the given case example	Test = 20% Journal Articles Review =20%
				150	Assistance		
				180	Self-Learning		
7	Students are able to understand the procedures and regulations in stewardship of urban and regional land	Regulation and Guidelines on Land Use	Lecture, Discussion	150	Discussion		
				150	Assistance		
				180	Self-Learning		
8	Students are able to perform land and municipal land use analysis	Analytical Techniques in determining land capability and land carrying capacity (1)	Lecture, Discussion	150	Discussion and Simulation		
				150	Assistance		
				180	Self-Learning		
9		Analytical Techniques in determining land capability and land carrying capacity (2)	Practice	150	Practice		
				150	Assistance		
				180	Practice Tasks		
10		Analytical Techniques in determining land development needs (1)	Lecture, Discussion	150	Discussion and Simulation		
				150	Assistance		
				180	Self-Learning		
11		Analytical Techniques in determining land	Practice	150	Practice		
				150	Assistance		

		development needs (2)		180	Practice Tasks		
12		Prediction models and landuse scenarios (1)	Lecture, Discussion	150	Discussion and Simulation		
				150	Assistance		
				180	Self-Learning		
13		Prediction models and landuse scenarios (2)	Practice	150	Practice		
				150	Assistance		
				180	Practice Tasks		
14	Students are able to arrange the concept of land use plan in a region or city	Case study of land use planning	Discussion	150	Presentation		
				150	Assistance		
				180	Tasks		
15		Case study of land use planning	Discussion	150	Presentation		
				150	Assistance		
				180	Tasks		
16		Case study of land use planning	Discussion	150	Presentation	1.Task of Paper (Group): Accuracy in arranging up land use plans in selected cases	Group Task = 40% Individual Assessment = 20%
				150	Assistance	2.Individual: The ability of knowledge in discussion session	
				180	Tasks		

## **EVALUATIONS**

Assessments mechanism and proportion of Land Use Planning and Development are:

1. Evaluation I (20%) : Critical Review (C1, C2)
  - Individual Task
  - Able to explain concept or method of land use planning and development
2. Evaluation II (30%) : Quiz (C1, C2,C3)
  - Individual Task
  - Able to summarize lecture material completely, concisely, and genuinely
3. Evaluation III (30%) : Report of Major Assessment (C1, C2, C3, C4)
  - Group Task
  - Group-scored
  - Able to make land use plan based on secondary data
  - Able to implement important techniques and principles in land use planning and development
4. Evaluation IV (20%) : Presentation of Major Assessment (C1, C2, C3, C4)
  - Group Task
  - Group-scored
  - Able to explain process of land use plan formation done, verbally

## EVALUATION AND SCORING PLAN OF LAND USE PLANNING AND DEVELOPMENT

### 1. EVALUATION I :

#### TASK I – Critical Review (C1, C2)

<b>Subject</b>	Land Use Planning and Development
Credits	3
Module	1 <sup>st</sup> Module and 2 <sup>nd</sup> Module
Module Purpose	<ul style="list-style-type: none"><li>• Students are able to explain land use concept, including: definition and characteristics of land, value of land, classification and hierarchy of land use, and product of land use plan.</li><li>• Students are able to explain methods in land use planning, including methods in data collection, standards, procedures, and technique in the formation of land use plans</li></ul>
Critical Review Purpose	<ul style="list-style-type: none"><li>• Students are able to make a resume of concept and method in land use planning from the reviewed article</li></ul>
Depth of Assignment (C1 to C6)	C1, C2
Detail of Assignment	Assignment description and scoring criteria are explained below

## EVALUATION I: ASSIGNMENT I – CRITICAL REVIEW

### A. PURPOSE

Purpose of Evaluation 1 is to explore students understanding to various concept and methods related to land use planning.

### B. FORM OF ASSIGNMENT

This assignment is coming in form of review to a journal article related to land use. Journal referred must have good reputation (nationally accredited or indexed by Scopus). Before the journal article used, it can be assisted to get acceptance from the lecturer.

### C. IMPLEMENTATION

- This assignment is done individually
- One article can be only reviewed by one student

### D. FORMAT OF REPORT

- In constructing the review, students are not only summarizing, but also giving idea and opinion to topic or the summarized article by comparing the issue with other relevant case.
- The maximum length of review is 3 pages in A4 paper with the spacing of 1,5. (Exceeded pages will not be checked)
- Reading source have to be attached
- All review should be compiled in form of class e-book and collected in the class' online drive.

### E. SCORING CRITERIA

- Quality of journal article (30%)
- Accuracy in reviewing points in the article (40%)
- Lesson learned and opinion made by students (30%)

### F. ASSISTANCE SESSION AND ASSIGNMENT COLLECTION

- Evaluation 1 is collected in Week 8
- Material of Evaluation I is not presented.

### G. ASSIGNMENT SCORING WEIGHT

Scoring weight for Evaluation I is 20%, including the criteria below:

No	Scoring Aspect	Excellent	Good	Enough	Bad	Very Bad	Score
1	Fitness of the substance of the discussed issue with the topic	Issue fit the topic, up to date, have proper issue formulation	Issue fit the topic, does not up to date, have proper issue formulation	Substance fit the topic, up to date, but the issue formulation are not precise	Substance does not fit the topic, the issue formulation are not precise	Substance does not fit the topic, there are no issue	



2	Accuracy on summarizing the important idea on the article	Precise, with comprehensive idea of the issue	Precise, but with less comprehensive idea	Precise	Less precise	There is no summary of the issue concept	
3	Accuracy of critical review towards the substance of the journal	Critical, Precise on giving the critical review, Appropriate on picking the up to date reference	Precise on giving the critical review, Correct on picking the up to date reference	Precise on giving critical review, but the references used are not precise	Critics have less precise, Reference used are not precise	Reviewer give inappropriate critical review and choose the wrong reference	
4	Result discussions and lessons learned	The discussion is structured and comprehensive, Lessons Learned answers the issue and give the example of best practices	The discussion is structured and comprehensive, Lessons Learned answers the issue	There are discussions but not structured nor comprehensive, The lessons learned are correct	There are discussions but not structured nor comprehensive, The lessons learned are not correct	The discussions are not structured, lessons learned are not correct	
Average score obtained							

**2. EVALUATION II :**  
**ASSIGNMENT II – Written Quiz**

<b>Subject</b>	Land Use Planning and Development
Credits	3
Module	1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> Module
Module Purpose	<ul style="list-style-type: none"> <li>• Students are able to explain land use concept, including: definition and characteristics of land, value of land, classification and hierarchy of land use, and product of land use plan.</li> <li>• Students are able to explain methods in land use planning, including: methods in data collection, standards, procedures, and technique in the formation of land use plans</li> <li>• Students are able to explain regulations related to land use in Indonesia</li> </ul>
Quiz Purpose	<ul style="list-style-type: none"> <li>• Students are able to summarize concepts, methods, and regulations of land use planning with their thinking ability</li> </ul>
Depth of Assignment (C1 to C6)	C1, C2, C3
Detail of Assignment	Description of assignment and scoring criteria are explained below.

## **EVALUATION II: ASSIGNMENT II – WRITTEN QUIZ**

### **A. FORMAT**

Evaluation II comes in form of written quiz that covers the learning materials of Land Use Planning & Development (concepts, methods, and regulations), and is done open-book.

### **B. PURPOSE**

Purpose of Evaluation II is to assess students thinking ability in summarizing learning materials related to concepts, methods, and regulations of land use planning. Students are expected to summarize the learning materials in their own language and paradigm with right, simple, systematic, and structured way.

### **C. SCORING CRITERIA**

- Substance of summary
- Structure of summary

### **D. IMPLEMENTATION**

- The evaluation is done individually, open-book
- Evaluation II will be held at Week 10

### E. SCORING WEIGHTS

Scoring weights of Evaluation II is 30%, consists of the following criteria:

No	Criteria	Very Good 86-100	Good 76-85	Adequate 66-75	Bad 56-65	Very Bad 0-55	Score
1	Substance of Summary	Completely summarized, comprehensive, systematic, and structured	Completely summarized, comprehensive, systematic	Completely summarized and comprehensive	Completely summarized	Not completely summarized	
2	Structure of Summary	Structured systematically in a diagram	Structured with combination of systematic table and description	Less structured, but comes in systematic points	Not comes in systematic points	Unstructured	
<b>Average score obtained</b>							

### 3. EVALUATION III :

#### ASSIGNMENT III – REPORT OF MAJOR TASK

<b>Subject</b>	Land Use Planning and Development
<b>Credits</b>	3
<b>Module</b>	1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , and 4 <sup>th</sup> Module
<b>Module Purpose</b>	<ul style="list-style-type: none"><li>• Students are able to explain land use concept, including: definition and characteristics of land, value of land, classification and hierarchy of land use, and product of land use plan.</li><li>• Students are able to explain methods in land use planning, including: methods in data collection, standards, procedures, and technique in the formation of land use plans</li><li>• Students are able to explain regulations related to land use in Indonesia</li><li>• Students are able to form a land use plan</li></ul>
<b>Assignment Purpose</b>	Students are able to implement and analyze concepts, methods, and regulations to form land use plan based on secondary data source
<b>Depth of Assignment (C1 to C6)</b>	C1, C2, C3, C4
<b>Detail of Assignment</b>	Assignment description and scoring criteria are explained below

## EVALUATION III: REPORT OF MAJOR TASK

### A. FORMAT

Evaluation III comes in form of land use plan formation in a study case. Students will propose area of study to the lecturer before making the land use plan. Parts of city area, a whole city area, or a region can be used as the study case, with scale that can be adjusted depend on scope of the planning area. The task are presented in forms of report, consists of description, analysis, and map albums.

### B. PURPOSE

Purpose of Evaluation III is to make students able to implement and analyze concepts, methods, and regulations to form a land use plan based on secondary data source. Specifically, the expected purpose is to:

- Assess students ability in identifying data, problems, and needs of land use planning in theselected study case
- Assess students ability in analyzing the needs of land developments, land support ability, andland suitability
- Assess students ability in form land use plan.

### C. SCORING WEIGHT

- Inventarisation of data and charateristic of land use (20%)
- Land use analysis (40%)
- Land use plan formulation (40%)

### D. IMPLEMENTATION

- The evaluation is done by groups (consists of 5-6 members)
- The reports are collected in Week 14

**E. SCORING CRITERIA**

<b>Criteria</b>	<b>Very Good (86-100)</b>	<b>Good (76-85)</b>	<b>Adequate (66-75)</b>	<b>Bad (56-65)</b>	<b>Very Bad (0-55)</b>	<b>SCORE</b>
Data and land use characteristic inventory	The data is correct, valid, and the method of acquisition can be explained systematically. It also has the clear and comprehensive visualization.	The data is correct, valid, and the method of acquisition can be explained systematically, but it has less clear and comprehensive visualization.	The data is correct, valid, but the method of acquisition cannot be explained systematically. It also has less clear and comprehensive visualization.	The data is correct, but it is invalid and cannot be justified	The data is incorrect	
Land use analysis	Needs analysis, land support ability analysis, land suitability analysis, and prediction are arranged completely, structured, and correctly.	Needs analysis, land support ability analysis, land suitability analysis, and prediction are arranged correctly, but unstructured.	One of the analysis are incorrect and relatively unstructured	Two aspects of the analysis are incorrect and relatively unstructured	The analysis is incorrect	
Land use plan formulation	The land use plan is correct, with right land classification nomenclature	The land use plan is correct but there are few wrong land classification nomenclature	The land use plan is correct, but with wrong land classification nomenclature	The land use plan is incorrect	The land use plan is incorrect	
<b>AVERAGE SCORE OBTAINED</b>						

#### 4. EVALUATION IV :

##### TASK IV – BIG TASK PRESENTATION

<b>Subject</b>	Land Use Planning and Development
<b>Credits</b>	3
<b>Module</b>	1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , and 4 <sup>th</sup> Module
<b>Module Purpose</b>	<ul style="list-style-type: none"><li>• Students are able to explain land use concept, including: definition and characteristics of land, value of land, classification and hierarchy of land use, and product of land use plan.</li><li>• Students are able to explain methods in land use planning, including: methods in data collection, standards, procedures, and technique in the formation of land use plans</li><li>• Students are able to explain regulations related to land use in Indonesia</li><li>• Students are able to form a land use plan</li></ul>
<b>Evaluation Purpose</b>	<ul style="list-style-type: none"><li>• Students are able to explain the arranged land use plan verbally</li></ul>
<b>Depth of Evaluation (C1 to C6)</b>	C1, C2, C3, C4
<b>Detail of Assignment</b>	Assignment description and scoring criteria are explained below.



## **EVALUATION IV: PRESENTATION OF MAJOR TASK**

### **A. FORMAT**

Evaluation IV comes as presentation of study case evaluation that is done in the Evaluation III. Presentation and is done by group and will be scored as group. Maximum presentation time is 15 minutes followed with discussion afterwards. Presentation can be done in form of Powerpoint or similar media.

### **B. PURPOSE**

Purpose of Evaluation IV is to encourage students to explain the arranged land use plan verbally.

### **C. SCORING CRITERIA**

- Presentation media
- Clarity of substance
- Discussions

### **D. IMPLEMENTATION**

- This evaluation is done by group.
- Execution of Evaluation IV is done in Week 14-16

**E. SCORING CRITERIA**

<b>Criteria</b>	<b>Very Good (86-100)</b>	<b>Good (76-85)</b>	<b>Adequate (66-75)</b>	<b>Bad (56-65)</b>	<b>Very Bad (0-55)</b>	<b>SCORE</b>
Presentation Media	The presentation use various media, interactive, with clear and attractive verbal communication	The presentation use various media, interactive, but not accompanied with clear and attractive verbal communication	The presentation media are limited, less interactive, with less attractive verbal communication	The presentation media and verbal communication are unattractive	The presentation media are unattractive and incoherent	
Clarity of Substance	The substance is presented completely, comprehensive, and systematic	The substance is presented completely and comprehensive, but less systematic	The substance is presented completely, but not systematic	The substance presented is incomplete and not systematic	The substance presented is incorrect	
Discussion	Answers questions correctly and open to input or feedback	Answers questions correctly, but less open to input or feedback	Not all questions answered correctly, and cannot accommodate feedback	Most of the answers are incorrect	Students cannot answer discussion questions	
<b>AVERAGE SCORE OBTAINED</b>						