



## SEMESTER LEARNING PLAN

**DEPARTMENT: URBAN AND REGIONAL PLANNING**

**FACULTY: CIVIL, PLANNING, AND EARTH**

<b>COURSES NAME</b>	<b>CONSTRUCTION EFFECT'S COST ANALYSIS</b>											
<b>COURSES CODE</b>	<b>DK184724</b>											
<b>SEMESTER</b>	<b>VII</b>											
<b>CREDITS</b>	<b>3/ 4,86</b>											
<b>LECTURER</b>	<b>Hertiari Idajati, ST, MSc</b>											
<b>COURSE METHODOLOGY</b>	Theory and Concept of Economy	Economic Phenomenon	Construction Effect Analysis	construction effect fund scenarios formation and modelling								
<b>PROGRAM LEARNING OUTCOME (PLO)</b>												
<b>SPEISIFIC KNOWLEDGE</b>	1.1	Able to understand and apply the theoretical concept of urban and regional planning in the aspects of urban studies, regional studies, spatial science, data science & computer application, socio-political, environmental management, built environment design, infrastructure and transportation system, coastal studies, management, economics										
	1.3	Able to apply the methods of spatial planning/aspatial in decision making										
<b>SPEISIFIC SKILLS</b>	2.1	Able to compile the planning concept and direction of the plan through the study of strategic issues in the context of urban, regional, and coastal planning problems with understanding through observation andutilization of the data of physical/spatial, social, economic and environmental										
	2.5	Able to produce creative, innovative, sustainable planning that are accommodating public interest in which the resulted plans are reviewed on the rules and theories of planning and communicating them visually, verbally and in writing so that can be accounted academically										
<b>COURSES LEARNING OUTCOME (CLO)</b>												
<b>SPEISIFIC KNOWLEDGE</b>	Students able to apply the principal and methods of Construction effect cost analysis in solving develomentexternality											
<b>SPEISIFIC SKILLS</b>	Students able to solve construction cases based on cost effect analysis											
	Students able to use methods in construction effect cost analysis											
	Students ablel to formulate construction effect cost analysis scenarios											
<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 apply the principles and methods of development impact cost analysis in	1		1								

	solving development externalities											
	CPMK-2. Students are able to apply methods in the cost impact analysis of development			1	1							
	CPMK-3. Students are able to formulate development impact cost analysis scenarios				1				1			

**MODULE LEARNING OUTCOME**

Students able to apply Construction Effect Cost Analysis concept

Students able to identify construction externality

Students able to define externality internalisation

Students able to implement goods and service theory

Students able to implement taxes theory

Students able to implement cost projection methods

Students able to implement income projection methods

Students able to apply base concept of ABDP in construction study cases

**MODULE**

ABDP Base Concepts	Theory and Concept of Economy	Economic Phenomenon		
Externality and Externality Internalisation Defining Methods	Theory and Concept of Economy	Economic Phenomenon	Construction Effect Analysis	
Cost Projection Methods	Economic Phenomenon	Construction Effect Analysis		
Income Projection Methods	Economic Phenomenon	Construction Effect Analysis		
Construction Effect Cost Analysis Implementation Concept and Methods	Economic Phenomenon	Construction Effect Analysis	construction effect fund scenarios formation and modelling	
Construction Effect Cost Analysis Study Cases Discussion	Theory and Concept of Economy	Economic Phenomenon	Construction Effect Analysis	construction effect fund scenarios formation and modelling

**CONSTRUCTION EFFECT'S COST ANALYSIS COURSE LEARNING PLAN  
ODD SEMESTER OF ACADEMIC YEAR 2021–2022**

Week	LEARNING OUTCOME	MODULE LEARNING OUTCOME	MODULE	LEARNING OUTCOME( from weekly materials)	Scope	Learnin g Methods (Week 1-7)	Course Duration (minutes)	Modes of Delivery (Presentation, task, discussion, quice, practice)	Grading Policy	Assess ment (%)
1	2	3	4	5	6	7	8	9	10	11
1	Students able to apply the principal and methods of Construction effect cost analysis in solving develomen textuality	Students able to apply Construction Effect Cost Analysis concept	Basic concept	students able to identify base definition of ABDP	syllabus, evaluation, assignment discussion. Base concept of ABDP	W1	240	discussion		
2				student able to understand microeconomic concept and its relevance to ABDP.	microeconomic concept and its relevance to ABDP.	W1, W7	240	discussion		
3		Students able to implement goods and service theory	Goods and Service Theory	student able to understand goods and service concept and its relevance to ABDP.	goods and service concept and its relevance to ABDP.	W1, W7	240	discussion		
4		Students able to implement taxes theory	Taxes Theory	student able to understand taxes concept and its relevance to ABDP.	Taxes Theory concept	W1, W7	240	discussion		
5		Students able to identify construction externality	Externality concept and internalisation	student able to understand externality and internalisation externality	externality and internalisation externality concept and its relevance to	W1, W7	480	discussion		

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1	2	3	4	5	6	7	8	9	10	11
				concept and its relevance to ABDP.	ABDP.					
6				students able to review an article related to ABDP concept	ABDP article review individual assignment	W1, W7	480	individual assignment		20%
				students able to answer question to ABDP concept, goods and service theory, taxes theory, externality and internalisations externalit and its relevance to ABDP	Quis	W7	480	quiz		40%
7	Students able touse methods in construction effect cost analysis	<b>Students able to implement cost projection methods</b>	<b>cost projection methods</b>			W1, W7	480	discussion		
8		Students able toimplement income projection methods	income projection methods			W1, W7	480	discussion		
9		Students able toapply base concept of ABDP in	domestic constructio neffect cost analysis			W1, W7	480	discussion		
		constructio nstudy cases	methods and concept application							



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1	2	3	4	5	6	7	8	9	10	11
14			Group assignment presentation	Students present group assignment		W1, W7	300	Group assignment presentation		20%
15			Group assignment presentation	Students present group assignment		W1, W7	300			
16			Group assignment submission	student submit group assignment		W1, W7	300	Group assignment		20%

**DESCRIPTION OF EVALUATION I WEEKLY PRESENTATION  
AND DISCUSSION**

<b>Name of Course</b>	Cost Analysis of the Impact of Development
Credits	3 credits
Subject Matter	Application of theory about cost analysis of the impact of development
The Purpose of the Learning Subject	Students are able to evaluate the application of the theory about cost analysis of the impact of development against the selected case studies
Learning Objectives of the Critical Review	Students are able to give critiques and formulate lesson learned with right of subject matter
The Depth Level Task(C1 - C6)	C5

Dimension	Excellent	Good	Enough	Bad	Very Bad	Score
<b>Presentation Technique</b>	Organized presentations by presenting <b>facts</b> supported by examples <b>examined in accordance with the concepts presented</b>	The presentation is well organized and presents <b>convincing facts</b> to support conclusions	The presentation has a focus and <b>provides some evidence</b> that supports conclusions	<b>Focus enough, but the evidence is insufficient</b> to be used in drawing conclusions	<b>There is no clear organization.</b> Facts are not used to support the statements	
	86-100	76-85	66-75	56-65	0-55	
<b>Substance</b>	<b>Content is able to inspire listeners</b> to develop their minds and contain elements of creativity and/or uniqueness	<b>Complete accurate contents.</b> Listeners add new insights to the topic	<b>Accurate but incomplete contents.</b> Listeners are less active in discussing the topic	<b>The contents are not accurate</b> because there are no supporting facts data	<b>Contents are inaccurate and too general.</b> Listeners don't get anything to learn	
	86-100	76-85	66-75	56-65	0-55	
<b>Discussion</b>	Right arguments with examples or facts	Right arguments with less fact	Arguments are incorrect, there are facts or examples	Arguments are not precise, there are no examples	The argument is incorrect or wrong	
	86-100	76-85	66-75	56-65	0-55	
<b>TOTAL SCORE</b>						

**DESCRIPTION OF EVALUATION II MIDTERM QUIZ**

<b>Name of Course</b>	<b>Cost Analysis of the Impact of Development</b>
Credits	3 credits
Subject Matter	Application of theory about cost analysis of the impact of development
The Purpose of the Learning Subject	The students are able to evaluate the application of the theory about cost analysis of the impact of development against the selected case studies
Learning Objectives of the Quiz	The students are able to answer the questions about the basic concept / theory about cost analysis of the impact of development, theory of the goods and services, theory of tax, externality and internality and the dependencies with cost analysis of the impact of development
The Depth Level Task (C1 - C6)	C5

Essay question	81-100	71-80	66-70	51- 65	0-50
Complete	All keywords are answered with the right explanation with clear paths accompanied by examples	All keywords are answered with the right explanation but the plot is not clear	The keywords are partially answered with the right explanation without flow	Keywords are less precise, explanations that are less precise and without flow	There are no keywords and explanations
Creativity	Creativity of the answers are high and very precise	Creativity of the answers are high but not right	Low and inaccurate creativity	The answer is too general	The answer is too general and not right
Comprehensive	Comprehensive explanation and can relate to other aspects supported by the facts	comprehensive explanation and can relate to other aspects without supporting facts	Comprehensive explanation but does not explain the relationship with other aspects	Less comprehensive explanation	Non-comprehensive explanation

**EXAMPLE OF THE QUIZ MIDTERM QUIZ  
COST ANALYSIS OF THE IMPACT OF DEVELOPMENT**



Lecturer : HI/UFK  
 Date : March 29, 2017  
 Time : 75 minutes  
 Type of Exam : Close Book

1. What do you understand about microeconomic theory? (15)
2. How is the relation study of microeconomic theory with planning regions and cities? (Answers can be accompanied by examples of case studies when needed) (25)
3. Create a simulation of a case that illustrates the problem of externalities and public goods! (25)
4. Based on the above case, explain how such externalities affecting the public good (what is externalities happened, to whom, what is its influence upon the public goods and how to overcome these externalities)? (35)

- Good Luck -

**LATTICE OF THE ANSWERS**

NO	Description of the Answer	Score
1	Can explain the basic concepts of microeconomic, how market mechanisms, the behavior of consumers and producers, as well as the structure of the market	15
	Can explain the basic concepts of microeconomic, how market mechanisms, consumer behaviour	10
	Can explain the basic concepts of microeconomic, how market mechanisms and market structure	7,5
2	Give review about microeconomic concept then explained the spatial aspects related to microeconomic concepts accompanied by the right case studies and up to date	25
	Give review about microeconomic concept then explained the spatial aspects related to microeconomic concepts accompanied by appropriate case studies but not the current issue	20
	Describe case studies	10
3	Describes a case study with structured and with regards to current issues of urban and regional planning	25
	Case studies are described but not the current issue	20
	The case study described unstructured and not the current issue	10
4	Explain the influence of and explain the concept of the completion of the appropriate structured and externalities	35
	Explain the influence of externalities and the corresponding settlement concept externalities but not structured	20

**DESCRIPTION OF EVALUATION III CRITICAL REVIEW**

Name of Course	Cost Analysis of the Impact of Development
Credits	3 credits
Subject Matter	Application of theory about cost analysis of the impact of development
The Purpose of the Learning Subject	Students are able to evaluate the application of the theory about cost analysis of the impact of development against the selected case studies
Learning Objectives of the Critical Review	Students are able to give critiques and formulate lesson learned with right of subject matter
The Depth Level Task (C1 - C6)	C5

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	
5	Accuracy of summarizing the conclusions and lessons learned	The conclusions and lessons learned are correct and comprehensive	The conclusions and lessons learned are correct	The conclusions and lessons learned are correct enough	The conclusions and lessons learned has less precise	The conclusions and lessons learned are not correct	
Average score obtained							



DESCRIPTION OF EVALUATION IV FINAL REPORT AND  
PRESENTATION

<b>Name of Course</b>	Cost Analysis of the Impact of Development
Credits	3 credits
Subject Matter	<ol style="list-style-type: none"> <li>1. The phenomenon of externalities, the classification and concept of the internalities</li> <li>2. Multiplier analysis for know direct externalities and not directly externalities</li> <li>3. Various approaches to estimate the value of the unit of impact.</li> </ol>
The Purpose of the Learning Subject	<ul style="list-style-type: none"> <li>- The students are able to appropriately apply the technique into a case development</li> <li>- The students are able to make the concept to overcome the issues of the impact of development</li> </ul>
Learning Objectives of the Evaluation IV	<ul style="list-style-type: none"> <li>- The students are able to apply various methods in the case of development</li> <li>- The students can practice and resolve cases of based analysis of the impact of development</li> <li>- The students are able to demonstrate the application of the method of analysis</li> </ul>
The Depth Level Task (C1 - C6)	C5

Dimension	Excellent	Good	Enough	Bad	Very Bad	Score
<b>Presentation Technique</b>	Organized presentations by presenting <b>facts</b> supported by examples <b>examined in accordance with the concepts presented</b>	The presentation is well organized and presents <b>convincing facts</b> to support conclusions	The presentation has a focus and <b>provides some evidence</b> that supports conclusions	<b>Focus enough, but the evidence is insufficient</b> to be used in drawing conclusions	<b>There is no clear organization.</b> Facts are not used to support the statements	
	86-100	76-85	66-75	56-65	0-55	
<b>Substance</b>	<b>Content is able to inspire listeners</b> to develop their minds and contain elements of creativity and/or uniqueness	<b>Complete accurate contents.</b> Listeners add new insights to the topic	<b>Accurate but incomplete contents.</b> Listeners are less active in discussing the topic	<b>The contents are not accurate</b> because there are no supporting facts data	<b>Contents are inaccurate and too general.</b> Listeners don't get anything to learn	
	86-100	76-85	66-75	56-65	0-55	
<b>Discussion</b>	Right arguments with examples or facts	Right arguments with less fact	Arguments are incorrect, there are facts or examples	Arguments are not precise, there are no examples	The argument is incorrect or wrong	
	86-100	76-85	66-75	56-65	0-55	
	<b>TOTAL SCORE</b>					
<b>Sub chapter</b>	<b>81-100</b>	<b>71-80</b>	<b>66-70</b>	<b>51-65</b>	<b>0-50</b>	<b>Score</b>

Introduction	Empirical and theoretical facts are very complete and very relevant, the urgency of the problem is high	Complete and relevant empirical and theoretical facts, but the urgency of the problem is lacking	Empirical and theoretical facts exist but are irrelevant and not urgent	Empirical and theoretical facts are incomplete, irrelevant, not urgent	There are no empirical and theoretical facts and cannot formulate problems	
Literature Review	The substance of the complete literature review by mentioning more than the specified reference, the correct synthesis of the library	complete substance of the literature review in accordance with the TOR, the synthesis of the appropriate library	Less complete but according to the topic of the task, the synthesis of the library is not quite right	Less complete and not in accordance with the topic of the assignment, improper synthesis of the library	Incomplete and incompatible and there is no library synthesis	
Methodology	Data that is needed, how to obtain data and techniques for processing the right data and explained in detail	Data needed and how to get the right data but the technique of processing data is not right	How to get the right data, the data that you need is less, the data processing technique is not right	Data needed, how to obtain data and data processing techniques is not right	Data needed, how to obtain data and data processing techniques are not appropriate	
Data and analysis	Complete data, precise and comprehensive analysis with appropriate interpretations	Complete data, precise and comprehensive analysis without interpretation	Complete data with inappropriate analysis	Complete data but not suitable and without analysis	Data is incomplete and not suitable and without analysis	
Conclusion	The quality of conclusions is appropriate according to the results of the analysis and answers the research objectives	The quality of conclusions is appropriate according to the results of the analysis but does not answer the research objectives	The quality of conclusions is appropriate according to the results of the analysis but does not answer the research objectives	Conclusion quality is not in accordance with the analysis and does not answer the research objectives	The quality of conclusions is very inappropriate	
<b>TOTAL SCORE</b>						