



**INSTITUT TEKNOLOGI SEPULUH NOPEMBER
FACULTY OF CIVIL, PLANNING AND GEO ENGINEERING
DEPARTMENT OF GEOMATICS ENGINEERING
UNDERGRADUATE PROGRAM**

Document Code

SEMESTER LEARNING PLAN (SLP)

COURSE NAME		CODE	COURSE GROUP	CREDITS (SKS)		SEMESTER	Date of Preparation
Information System for Planning		CM234972	Geospatial	T=2	P=-	Elective Course	-
AUTHORIZATION		SLP Developer		Course Group Coordinator		Head of Study Program	
		Dr. Ing. Ir. Teguh Hariyanto, M.Sc.		Prof. Lalu Muhamad Jaelani, ST, M.Sc, Ph.D		Putra Maulida, ST, MT, Ph.D	
Learning Outcomes (LO)	Expected Learning Outcomes (ELO) that Imposed in the Course						
	ELO-7	Able to perform spatial data acquisition using modern measurement methods, geospatial data processing, using industry standard software, and making standard designs and analyzes in the fields of geodesy, surveying, hydrography, remote sensing, photogrammetry, and cadastral.					
	ELO-10	Able to work in inter-disciplinary and inter-cultural teams so they can compete at national and international levels.					
	Course Learning Outcomes (CLO)						
	CLO-1	Students are able to understand planning, planning processes and planning information systems					
	CLO-2	Students are able to understand the types of planning components					
	CLO-3	Students are able to understand the concept of spatial planning					
	CLO-4	Students are able to identify the application of planning information systems in regional spatial planning					

		Matrix ELO – CLO <table><tr><td>CPMK</td><td>ELO-7</td><td>ELO-10</td></tr><tr><td>CLO-1</td><td>V</td><td></td></tr><tr><td>CLO-2</td><td></td><td>V</td></tr><tr><td>CLO-3</td><td>V</td><td>V</td></tr><tr><td>CLO-4</td><td>V</td><td>V</td></tr></table>						CPMK	ELO-7	ELO-10	CLO-1	V		CLO-2		V	CLO-3	V	V	CLO-4	V	V
CPMK	ELO-7	ELO-10																				
CLO-1	V																					
CLO-2		V																				
CLO-3	V	V																				
CLO-4	V	V																				
Course Description	This course explains the basic concepts of planning, planning processes and planning information systems. Basic theory regarding the components of planning, the concept of spatial planning, the function of the region in the regional spatial plan will be given so that students will have the knowledge of how to prepare a planning information system related to urban areas. To understand and gain experience in planning information systems, students will be given the task of identifying the application of planning information systems in regional spatial planning.																					
Course Materials	This course examines planning, planning processes and planning information systems, and the application of planning information systems in regional spatial planning.																					
References	Main:																					
	1. Cassidy, Anita. 2006. Information System Strategic Planning. Auerbach Publications, France																					
	2. Yussof, M. B. 2009. Information System Planning. Open University Malaysia																					
	3. King, William, R. 2015. Planning for information systems. Oxfordshire, England ; New York, New York : Routledge																					
	Additional :																					
	Peraturan Menteri Pekerjaan Umum Nomor 20 Tahun 2011 tentang Pedoman Penyusunan Rencana Detail Tata Ruang dan Peraturan Zonasi Kabupaten / Kota																					
Lecturer	1. Cherie Bhekti Pribadi, S.T., M.T.																					
Prerequisite	Geographic Information System																					
Class/ Week	Lesson Learning Outcome (Sub-CLO)	Evaluation		Forms of Learning, Learning methods,Student Assignments/Task, [Estimated Time]		Learning Materials [References]	Weight (%)															
		Indicators	Criteria and Form	Offline	Online																	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)															
1	Basic concepts of planning and planning information systems		1. Completeness of the material 2. Depth of explanation and	1. Lecture [1 x 50'] 2. Discussion [1 x 50']			10															

			effectiveness of communication				
2 – 3	Types of planning components		1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion [1 x 50'] 3. Task [1 x 50']			20
4 – 5	Planning Process		1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion [2 x 50']			10
6 – 7	Spatial planning concept, national regional spatial plan		1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion, Task [1 x 50'] 3. Response/Exercise [1 x 50']			10
8	Midterm Evaluation / Midterm Exam						50
9 – 10	Land Use Planning		1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion, Task [1 x 50'] 3. Response [1 x 50']			20
11 – 12	General Planning • Particular Planning		1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion, Task [1 x 50'] 3. Response/exercise [1 x 50']			10

13 – 14	Protected areas, cultivation areas, and protected areas		1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [2 x 50'] 2. Discussion, Task [1 x 50'] 3. Response/exercise [1 x 50']			10
15	Application of planning information systems in regional spatial planning		1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 50'] 2. Discussion, Task [1 x 50']			10
16	Final Semester Evaluation / Final Semester Examination						100