



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

SEMESTER LEARNING PLAN (SLP)

COURSE NAME		CODE	COURSE GROUP	CREDITS		SEMESTER	Compilation Date
Toponym		CM234104	Geospatial	T=2	P=-	4	-
AUTHORIZATION		SLP DEVELOPER		COURSE GROUP COORDINATOR		HEAD OF UNDERGRADUATE PROGRAM	
		Prof. Lalu Muhamad Jaelani, ST, M.Sc, Ph.D		Prof. Dr. Ir. Bangun Muljo Sukojo, DEA.DESS		Putra Maulida, ST, MT, Ph.D	
Learning Outcome (LO)	Expected Learning Outcomes (ELO) that Imposed in the Course						
	ELO-2	Able to study and utilize science and technology in order to apply it to the areas of expertise in Geodesy and Surveying, Hydrography, Photogrammetry, and Remote Sensing, as well as Geospatial and Land Information, and able to make appropriate decisions from the results of their own work or group work in the form of a final project report or other forms of learning activities whose outcomes are equivalent to the final project through logical, critical, systematic and innovative thinking.					
	ELO-3	Able to manage self-learning, and develop a personal lifelong learner to compete at national and international levels, in order to make a real contribution to solving problems by implementing information and communication technology and paying attention to the principles of sustainability, and understanding technology-based entrepreneurship.					
	ELO-5	Able to design survey and mapping activities using the latest technology in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, and cadastral.					
	ELO-6	Able to identify, formulate, analyze and solve problems in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, and cadastral.					

	ELO-8	Able to compile scientific reports and provide solutions based on leadership, creativity and communication skills as well as being responsible for the work done.					
	Course Learning Outcomes (CLO)						
	CLO-1	Students have knowledge of the understanding, history and relation of Toponimi with other sciences; naming and naming the name of the earth					
	CLO-2	Students have knowledge of Toponimi's Relationship with courses in Geomatics Engineering; basic theories and methods of surveying in naming and strengthening the name of the earth (toponimi)					
	CLO-3	Students understand the State of the art of Toponimi at the national and international levels and the role and function of Toponimi in national development; have experience to make observations in the field related to naming and strengthening the name of the earth (toponimi)					
	CLO-4	Students are able to explain about Toponimi: Nature, Toponimi Gunung, Maritime Toponomi, Administration (Government: provinces, districts, cities etc., ancient site areas); and how the process of naming and naming the name of the earth (toponimi)					
	CLO-5	Students are able to understand the Role of International Institutions: Institutional, Objectives and Functions; Express their ideas or ideas orally and in writing					
	CLO-6	Students are able to understand the Name of geographical : Legal Basis, National Authority of geographical name. Scope of Naming Activities of geographical Elements, Standardization of Maritime Geographical Names, Nomenclature of Geographical Names of Underwater Elements; and apply the concepts and procedures of Toponimi science and engineering as one of the methods in geospatial information both working independently and teamwork.					
		Matrix ELO – CLO					
		CLO	ELO-2	ELO-3	ELO-5	ELO-6	ELO-8
		CLO-1	V	V	V	V	V
		CLO-2	V	V	V	V	V
		CLO-3	V	V	V	V	V
		CLO-4	V	V	V	V	V
		CLO-5	V	V	V	V	V
		CLO-6	V	V	V	V	V
Course Description	Students are able to understand the Name of Rupabumi: Legal Basis, National Authority of Rupabumi / Rupabumi Name, Scope of Activities for Naming Rupabumi Elements, Standardization of Maritime Geographical Names, Nomenclature of Geographical Names of Under-Sea Elements; and						

	apply the concepts and procedures of Toponymy science and engineering as one of the methods in geospatial information both working independently and teamwork
Course Materials	<ol style="list-style-type: none"> 1. Definition, history and Toponymy's links with other sciences 2. Toponymy's relationship with courses in Geomatics Engineering 3. State of the art Toponymy at the national and international level and the role and function of Toponymy in national development 4. Toponymy: Nature, Mountain Toponymy, Maritime Toponymy, Administration (Government: provinces, districts, cities etc., Ancient site area) 5. Role of International Institutions: Institutions, objectives and functions 6. Topographical Names: Legal Basis, National Authority Topographical / Topical Name, Scope of Topographic Naming Activities, Standardization of Maritime Geographic Names, Nomenclature of Geographic Names of Submarine Elements 7. Scope of Activities for Naming Topographical Elements, Gazetteer Names for National Topographical Elements and Procedures for naming, name changing and deletion
References	Main References :
	<ol style="list-style-type: none"> 1. Sukojo, B.M Toponimi (Arti dan Peran). 2012. ITS Press. Surabaya. 2. Department of the Interior. Washington DC US Department of the Interior. US Geodata: Geographic Names Information System – Data User Guide 6. USGS. Reston Virginia, 1987
	Additional References :
	<ol style="list-style-type: none"> 1. IHO (International Hydrographic Organization). Standardization of Undersea Feature Names. 3rd Ed. Monaco: International Hydrographic Bureau, 2001. 2. Jacob Rais, Arti Penting Penamaan Unsur Geografi, Definisi, Kriteria dan Peranan PBB dalam Toponimi, Kasus Nama-Nama Pulau di Indonesia, ITB Bandung. 2003 3. Kadmon, N. Toponymy: The Lore, Laws and Language of Geographical Names. Vantage Press. New York. 2000.
Lecturer	Prof Dr Ir Bangun Muljo Sukojo,DEA,DESS Nurwatik, ST, MSc Dr-Ing.Noorlaila Hayati, ST, MT Cherie Bhekti Pribadi, ST, MT Udiana Wahyu Deviantari, ST, MT
Prerequisite	No Prerequisite

Class/ Week	Lesson Learning Outcome (Sub-CLO)	Evaluation		Forms of Learning, Learning methods, Student Assignments/Task, [Estimated time]		Learning Materials [References]	Weight (%)
		Indicator	Criteria	Offline	Online		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Able to explain the concept of naming the appearance of the earth (toponymy): Introduction, Toponymy definition, History of Toponymy		Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	Lecture, Teacher-centered learning [1 x 45']			5
				Lecture, Teacher-centered learning [1 x 45']			
				Lecture, Teacher-centered learning [1 x 45']			
2	Able to explain the naming and standardization of the name of the earth (toponymy), Toponymy Relationship with courses in Geomatics Engineering, State of the art Toponymy at national and international levels,		Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	Lecture, Teacher-centered learning [1 x 45']			5
				Lecture, Teacher-centered learning [1 x 45']			
				Lecture, Teacher-centered learning [1 x 45']			
				Discussion, Student-centered learning [1 x 45']			

	the role and function of Toponymy in national development.						
3	Able to explain concepts related to Toponymy for physical objects: Nature, Mountains, Maritime		Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	Lecture, Teacher-centered learning [1 x 45']			10
				Lecture, Teacher-centered learning [1 x 45']			
				Lecture, Teacher-centered learning [1 x 45']			
				Lecture, Teacher-centered learning [1 x 45']			
				Exercise and Task, Student-centered learning [1 x 45']			
4, 5	Able to explain concepts related to Toponimi for non-physical objects: Administration, Government (province, district, city, etc.), Region (ancient site)		Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	Lecture, Teacher-centered learning [2 x 45']			10
				Lecture, Teacher-centered learning [2 x 45']			
				Lecture, Problem-based learning [2 x 45']			

				Exercise and Task, Student-centered learning [1 x 45’]			
6	Able to explain definition of the Role of International Institutions, Institutions, Objectives and Toponymy functions		Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	Lecture, Teacher- centered learning [1 x 45’]			10
				Lecture, Teacher- centered learning [1 x 45’]			
				Lecture, Teacher- centered learning [1 x 45’]			
				Task, Student- centered learning [1 x 45’]			
7	Able to explain about: Topographical Name, Legal Basis, National Authority Topographical Name		Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	Lecture, Teacher- centered learning [1 x 45’]			10
				Lecture, Teacher- centered learning [1 x 45’]			
				Lecture, Teacher- centered learning [1 x 45’]			
				Big Task, Student- centered learning []			
8	Mid-Semester Evaluation						

9, 10	Able to explain definition, Scope of Topographical Naming Activities		Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	Lecture, Teacher-centered learning [2 x 45']			15
				Lecture, Teacher-centered learning [2 x 45']			
				Discussion, Problem-based learning [2 x 45']			
				Task, Student-centered learning [2 x 45']			
11	Able to explain the notion of: Standardization of Maritime Geographic Names and Nomenclature of Geographic Names from Submarine Elements		Completeness of material, depth of explanation, effectiveness of communication, accuracy of attitude	Lecture, Teacher-centered learning [2 x 45']			10
				Lecture, Teacher-centered learning [2 x 45']			
				Discussion, Problem-based learning [2 x 60']			
				Task, Student-centered learning []			
12, 13	Able to explain about the Scope of Topographical Naming Element Activities and		Completeness of material, depth of explanation, effectiveness of				

	Gazetir of Names for the National Rupabumi Elements		communication, accuracy of attitude				
16	Final Semester Evaluation / Final Semester Examination						