	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
Professional Ethics	CM234941		T=1	P=1	Elective Course	-

AUTHORIZATION	SLP Developer	Course Group Coordinator	Head of Study Program
	Nurwatik, S.T., M.Sc.	Nurwatik, S.T., M.Sc.	Putra Maulida, S.T., M.T., Ph.D.

Learning Outcomes (LO)	**Expected Learning Outcomes (ELO) that Imposed in the Course**	
	ELO-11	Able to be responsible to the community and adhere to professional ethics in solving technical problems in the fields of Geodesy and Surveying, Hydrography, Photogrammetry and Remote Sensing also Geographic Information Systems and Cadastral.
	Course Learning Outcomes (CLO)	
	CLO-1	Able to adhere to professional ethics in solving technical problems in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, geographic information systems, and cadastral for society and geospastial industries

Matrix ELO – CLO

CPMK	ELO-11
CLO-1	V

Course Description	In this course, students will study the meaning of professionalism, law, culture, and ethics in all aspects of life, particularly in the field of Geomatics, as well as their impact and contribution to society and industry. Students will explore ways to respond to and express opinions on various social phenomena. This course also introduces students to associations, institutions, standards, and organizations related to developments in the fields of geodesy, surveying, hydrography, remote sensing, photogrammetry, geographic information systems, and cadastre.

Course Materials	1. Definition of Ethics 2. Definition of Profession and Professionalism 3. Rules and Regulations 4. Business Aspects in the Field of Geomatics 5. Professional Associations in the Field of Geomatics 6. Professional Standards Development Models 7. Field Certification 8. Ethical Code Practice
References	**Main:**
	1. Patent Law No. 14 of 2001 2. Trademark Law No. 15 of 2001 3. Copyright Law No. 19 of 2002
	Additional :
	-
Lecturer	Nurwatik, S.T., M.Sc.
Prerequisite	-

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	Students are able to understand the definition of ethics	Accuracy in explaining the definition and meaning of ethics	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 45'] 2. Discussion [1 x 45']		Definition of ethics	5%
2	Students are able to understand the definition and characteristics of a profession	Accuracy in explaining the definition and characteristics of a profession	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 45'] 2. Discussion [1 x 45']		Definition of profession and the characteristics of a profession	5%

3	Students are able to understand the definition and characteristics of professionalism as well as the professional code of ethics	Accuracy in explaining the definition and characteristics of professionalism as well as the professional code of ethics	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 45'] 2. Response, Task and Result presentation [1 x 45']		Definition of professionalism, characteristics of professionalism, and professional code of ethics	5%
4-5	Students are able to understand the threats and challenges in the use of geospatial information technology	Accuracy in explaining the threats and challenges in the use of geospatial information technology	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 45'] 2. Response, Task and Result presentation [1 x 45']		Types of threats and challenges in geospatial information technology	15%
6-7	Students are able to understand the concept of intellectual property	Accuracy in explaining the definition and concept of intellectual property	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 45'] 2. Discussion [1 x 45']		• Explain the definition of intellectual property rights • Explain the definitions of copyright, patent, and trade secret laws for intellectual property protection • Explain the definition of plagiarism • Explain the concept of reverse engineering	20%

						• Explain the concept of open source and its use • Explain the concept of competitive intelligence and industrial espionage	
8	**Midterm Evaluation / Midterm Exam**						**50**
9 – 10	Students are able to understand the types of professions in the field of Geomatics	Accuracy in explaining the types of professions in the field of Geomatics	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 45'] 2. Discussion [1 x 45']		Job descriptions of professions and professional standards in Indonesia and the regional context	20%
11-12	Students are able to understand integrity, confidentiality, and availability	Accuracy in understanding the principles of integrity, confidentiality, and availability	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 45'] 2. Response, Task and Result presentation [1 x 45']		Integrity, confidentiality, and availability	10%
13-15	Students are able to understand competency certifications in the field of Geomatics at national and international levels	Accuracy in explaining competency certifications in the field of Geomatics at national and international levels	1. Completeness of the material 2. Depth of explanation and effectiveness of communication	1. Lecture [1 x 45'] 2. Response, Task and Result presentation [1 x 45']		Competency certifications in the field of Geomatics at national and international levels	20%
16	**Final Semester Evaluation / Final Semester Examination**						**100**