



**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 | Tgl Penyusunan |
|-----------------------|---|--|-------------------------|------------------------------|-----|-------------------------------|----------------|
| Land Administration | | CM234419 | Surveying and Cadastral | T=2 | P=1 | 6 | - |
| AUTHORIZATION | | SLP DEVELOPER | | COURSE GROUP COORDINATOR | | HEAD OF UNDERGRADUATE PROGRAM | |
| | | Udiana Wahyu Deviantari, ST, MT | | Yanto Budisusanto, ST, M.Eng | | Putra Maulida, ST, MT, Ph.D | |
| Learning Outcome (LO) | Expected Learning Outcomes (ELO) that Imposed in the Course | | | | | | |
| | ELO-6 | Able to identify, formulate, analyze and solve problems in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, and cadastral. | | | | | |
| | 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-11 | Able to be responsible to the community and adhere to professional ethics in solving technical problems in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, geographic information systems, and cadastral. | | | | | |
| | ELO-12 | Able to apply the concepts of management, entrepreneurship, the latest technology-based innovation, sustainable, and environmentally wise. | | | | | |
| | Course Learning Outcomes (CLO) | | | | | | |
| | CLO-1 | Students know and understand the normative legal basis of land registration activities and related matters. | | | | | |

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|---------------------------|--|--|--------|--------|--|--|-----|-------|-------|--------|--------|-------|---|---|--|--|-------|--|---|---|---|-------|--|---|---|---|-------|---|---|---|---|
| | CLO-2 | Students have knowledge of how to make land registration maps and their supports (measuring drawings, field maps). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CLO-3 | Students have experience making one type of product for land registration activities, namely field maps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CLO-4 | Students are able to express their ideas or ideas orally and in writing in land | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Matrix ELO – CLO <table><tr><td>CLO</td><td>ELO-6</td><td>ELO-7</td><td>ELO-11</td><td>ELO-12</td></tr><tr><td>CLO-1</td><td>V</td><td>V</td><td></td><td></td></tr><tr><td>CLO-2</td><td></td><td>V</td><td>V</td><td>V</td></tr><tr><td>CLO-3</td><td></td><td>V</td><td>V</td><td>V</td></tr><tr><td>CLO-4</td><td>V</td><td>V</td><td>V</td><td>V</td></tr></table> | | | | | CLO | ELO-6 | ELO-7 | ELO-11 | ELO-12 | CLO-1 | V | V | | | CLO-2 | | V | V | V | CLO-3 | | V | V | V | CLO-4 | V | V | V | V |
| CLO | ELO-6 | ELO-7 | ELO-11 | ELO-12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLO-1 | V | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLO-2 | | V | V | V | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLO-3 | | V | V | V | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CLO-4 | V | V | V | V | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course Description | The purpose of this course is to introduce concepts, approaches and systems related to securing land tenure. Land rights, land law in accordance with PMNA no. 3 of 1997. This course will discuss cadastral surveys in accordance with PP no. 24 of 1997 and links the latest scientific knowledge (theory) to experience and professional needs (practical). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course Materials | <ol style="list-style-type: none">1. Land Tenure2. General understanding and development of land registration in Indonesia3. Land Registration System according to PMNA/Ka. BPN Number 3 of 19974. Registration system in various countries in the world5. Cadastral Survey (PP No.24 of 1997)6. Fit-for-purpose land administration7. Complete Systematic Land Registration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| References | Main References : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <ol style="list-style-type: none">1. Badan Pertanahan Nasional. 2017. Kamus Agraria dan Tata Ruang. Jakarta2. McLaughlin, J, Dale,P.F. 1999. Land Administration. Oxford University Press3. Peraturan Pemerintah No.24 Tahun 1997 tentang pendaftaran tanah4. Peraturan Menteri Agraria Dan Tata Ruang/ Kepala Badan Pertanahan Nasional Republik Indonesia Nomor 6 Tahun 2018 Tentang Pendaftaran Tanah Sistematis Lengkap | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Additional References : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <ol style="list-style-type: none">1. Nissim, R. 2016. Land Administration and Practice in Hongkong. Hongkong University Press2. Zevenbergen et all. 2015. Advances in Responsible in Land Administration. CRC Press | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Lecturer | | Udiana Wahyu Deviantari, ST, MT Yanto Budisusanto, ST, M.Eng | | | | | |
|---------------------|---|--|---|--|--------|--|---------------|
| Prerequisite | | Spatial Database System, Digital Cartography, SKT and Map Projection | | | | | |
| 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) |
| 1-2 | Able to know and understand the concept of land tenure | | Accurate and complete explanation in discussion | Lecture, Teacher-centered learning [1x45'] | | 1. Introduction to the land tenure rights 2. System of tenure right for parcel boundaries | 5.00% |
| | | | | Discussion, Student-Centered Learning [1x45'] | | | |
| 3-4 | Able to understand the basic concept of land registration | | Accurate and complete explanation in the basic concept of land registration | Lecture, Teacher-centered learning [1x45'] | | 1. Background of land registration 2. Definition of land registration 3. Concept of land registration 4. Purpose of land registration | 10.00% |
| | | | | Presentation, Student-Centered Learning [1x45'] | | | |
| | | | | Discussion, Student-Centered Learning [1x45'] | | | |
| 5 | Able to understand the concept of laws in land registration | | Accuraction to explain principles | Lecture, Teacher-centered learning [1x45'] | | Land registration laws: 1. Definition of land ownership rights | 10.00% |

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| | | | of land registration | Presentation, Student-Centered Learning [1x45'] | | 2. Principles of land registration | |
| | | | | Discussion, Student-Centered Learning [1x45'] | | | |
| 6-7 | Able to understand land registration based on PMNA/Ka. BPN No.3, 1997 | | Accururation to understand steps of land registration | Lecture, Teacher-centered learning [1x45'] | | 1. Land administration based on PMNA/Ka. BPN No.3, 1997 | 10.00% |
| | | | | Discussion, Student-Centered Learning [1x45'] | | 2. The first land registration | |
| | | | | Presentation, Student-Centered Learning [1x45'] | | 3. Complete land registration | |
| | | | | | | 4. Incomplete land registration | |
| | | | | | | 5. Registration of and transfer | |
| 7 | Able to understand the basic concept of land registration | | Accurate and complete explanation in the basic concept of land registration | Lecture, Teacher-centered learning [1x45'] | | 1. Background of land registration | 10.00% |
| | | | | Discussion, Student-Centered Learning [1x45'] | | 2. Definition of land registration | |
| | | | | | | 3. Concept of land registration | |
| | | | | | | 4. Purpose of land registration | |
| 8 | Mid-Semester Evaluation | | | | | | 50% |

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| 9 | Able to know land registration system in other countries | | Accuracy to understand land registration in other countries | Lecture, Teacher-centered learning [1x45'] | | Land registration system in other countries | 10.00% |
| | | | | Presentation, Student-Centered Learning [1x45'] | | | |
| | | | | Discussion, Student-Centered Learning [1x45'] | | | |
| 10-13 | Able to apply sistematically the standard procedure and tehcnique of cadastral survey | | Accuracy to apply sistematically the standard procedure and technique of cadastral survey | Lecture, Teacher-centered learning [1x45'] | | Land registration based on Government Regulations No.24, 1997 1. Definition of cadastral surveying 2. Determination boundaries of cadastral parcels 3. Implementation of cadastral survey | 15.00% |
| | | | | Presentation, Student-Centered Learning [1x45'] | | | |
| | | | | Discussion, Student-Centered Learning [1x45'] | | | |
| 14 | Able to know the concept fit-for-purpose in Indonesia | | Accuracy to explain the concept of fit-for-purpose | Lecture, Teacher-centered learning [1x45'] | | Concept of fit-for-purpose in Indonesia | 10.00% |
| | | | | Presentation, Student-Centered Learning [1x45'] | | | |

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| | | | | Discussion, Student-Centered Learning [1x45'] | | | |
| 15 | Able to understand the concept of complete systematic land registration | | Accuracy to explain the concept of complete systematic land registration | Lecture, Teacher-centered learning [1x45'] | | Introduction to complete systematic land registration | 20.00% |
| | | | | Presentation, Student-Centered Learning [1x45'] | | | |
| | | | | Discussion, Student-Centered Learning [1x45'] | | | |
| 16 | Final Semester Evaluation / Final Semester Examination | | | | | | |