



BUKU PEDOMAN MATA KULIAH
COURSE MODULE HANDBOOK

PENGEMBANGAN PERTANAHAN
CADASTRE AND LAND MANAGEMENT

DEPARTEMEN TEKNIK GEOMATIKA
Fakultas Teknik Sipil, Perencanaan, dan Kebumihan

DEPARTMENT OF GEOMATICS ENGINEERING
Faculty of Civil Engineering, Planning, and Geo Engineering

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

MATA KULIAH PILIHAN (ELECTIVE COURSE)

Pengembangan Pertanahan / *Cadastre and Land Management*

Nama modul <i>Module name</i>	Pengembangan Pertanahan <i>Cadastre and Land Management</i>
Tingkatan <i>Module level</i>	Pasca Sarjana (S2) <i>Master Degree</i>
Kode <i>Code</i>	RM185917
Mata kuliah <i>Course</i>	Pengembangan Pertanahan <i>Cadastre and Land Management</i>
Semester <i>Semester</i>	III (tiga) atau IV (empat) <i>III (three) or IV (four)</i>
Penanggung jawab mata kuliah <i>Person responsible for the module</i>	Filsa Bioresita
Dosen <i>Lecturer</i>	Filsa Bioresita
Bahasa <i>Language</i>	Bahasa Indonesia dan Bahasa Inggris <i>Indonesian and English</i>
Relasi pada kurikulum <i>Relation to curriculum</i>	Mata kuliah wajib untuk Program Master Teknik Geomatika <i>Compulsory Courses for Master of Geomatics Engineering</i>
Tipe pertemuan, jam tatap muka <i>Type of teaching, contact hours</i>	Kuliah, 1.67 jam x 16 minggu per semester <i>Lecture, 1.67 hours x 16 weeks per semester</i>
Beban belajar <i>Workload</i>	Kuliah: 1.67 jam x 14 minggu = 23.38 jam Penugasan terstruktur: 4 jam x 14 minggu = 56 jam Kegiatan mandiri: 4 jam x 14 minggu = 56 jam Ujian: 1.67 jam x 2 kali = 3.34 jam Total = 138.72 jam <i>Lecture: 1.67 hours x 14 weeks = 23.38 hours</i> <i>Structured exercises and assignments: 4 hours x 14 weeks = 56 hours</i> <i>Independent activities: 4 hours x 14 weeks = 56 hours</i> <i>Exam: 1.67 hours x 2 time = 3.34 hours</i> <i>Total = 138.72 hours</i>
Kredit <i>Credits</i>	2 SKS <i>2 credits</i>
Persyaratan sesuai dengan peraturan ujian <i>Requirements according to</i>	Minimum 80% kehadiran untuk mengikuti ujian tertulis <i>Minimum 80% attendance in this course in order to</i>

<i>the examination regulations</i>	<i>take the exams</i>																																																																	
Deskripsi Mata Kuliah <i>Description of Course</i>	<p>Pada mata kuliah ini, mahasiswa mempelajari tentang pengembangan pertanahan terkait konsep dan prinsip pertanahan, landasan hukum/regulasi, pengadaan, administrasi, manajemen pertanahan, serta sengketa pertanahan.</p> <p><i>In this course, students learn about land development related to land concepts and principles, legal/regulatory basis, procurement, administration, land management, and land disputes.</i></p>																																																																	
Capaian Pembelajaran / Course Learning Outcomes <i>Module objectives/ Course learning outcomes</i>	<ol style="list-style-type: none"> 1. Mampu menjelaskan konsep dan prinsip pertanahan. 2. Mampu menjelaskan landasan hukum/regulasi yang berlaku di Indonesia terkait pertanahan. 3. Mampu menjelaskan tentang sengketa atau permasalahan pertanahan di Indonesia maupun negara lain. 4. Mampu menganalisa permasalahan terkait pengembangan pertanahan di Indonesia. <ol style="list-style-type: none"> 1. <i>Able to explain land concepts and principles.</i> 2. <i>Able to explain the legal basis/regulations that apply in Indonesia related to land.</i> 3. <i>Able to explain about land disputes or problems in Indonesia and other countries.</i> 4. <i>Able to analyze problems related to land development in Indonesia.</i> 																																																																	
CPMK dan hubungan dengan CPL Prodi <i>Learning outcomes and their corresponding to PLOs</i>	<table border="1"> <thead> <tr> <th></th> <th>PLO.1</th> <th>PLO.2</th> <th>PLO.3</th> <th>PLO.4</th> <th>PLO.5</th> <th>PLO.6</th> <th>PLO.7</th> <th>PLO.8</th> <th>PLO.9</th> <th>PLO.10</th> <th>PLO.11</th> <th>PLO.12</th> </tr> </thead> <tbody> <tr> <td>CLO.1</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CLO.2</td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CLO.3</td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CLO.4</td> <td></td> <td></td> <td>✓</td> <td></td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		PLO.1	PLO.2	PLO.3	PLO.4	PLO.5	PLO.6	PLO.7	PLO.8	PLO.9	PLO.10	PLO.11	PLO.12	CLO.1	✓												CLO.2		✓											CLO.3			✓										CLO.4			✓		✓							
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Mata kuliah wajib prasyarat <i>Mandatory prerequisites</i>	<p>Sistem Informasi Geografis dan Sistem Administrasi Pertanahan</p> <p><i>Geographic Information System and Land Administration System</i></p>																																																																	
Pokok Bahasan	<p>Konsep sistem informasi pertanahan, hubungan antara sistem informasi pertanahan dengan pengelolaan dan administrasi pertanahan, peran data dan informasi</p>																																																																	

<p><i>Content</i></p>	<p>dalam pengambilan keputusan pembangunan pertanahan, jenis data spasial dan tekstual dalam pengelolaan pertanahan, teori basis data, teori model basis data, metode perancangan sistem informasi , aplikasi sistem informasi, contoh dan demo mengenai beberapa aplikasi sistem informasi pertanahan.</p> <p><i>Land information system concept, relationship between land information system with land management and administration, the role of data and information in decision making of land development, type of spatial and textual data in land management, database theory, database model theory, information system design methods, the application of information system, example and demo regarding several land information system applications.</i></p>										
<p>Pembelajaran dan Persyaratan Ujian <i>Study and examination requirements and forms of examination</i></p>	<table border="1"> <thead> <tr> <th>Rencana Evaluasi</th> <th>Bobot Weight</th> </tr> </thead> <tbody> <tr> <td>Presentasi <i>Presentation</i></td> <td>20%</td> </tr> <tr> <td>Evaluasi Tengah Semester <i>Mid Semester Exam</i></td> <td>25%</td> </tr> <tr> <td>Tugas Kelompok <i>Team based task</i></td> <td>25%</td> </tr> <tr> <td>Evaluasi Akhir Semester <i>Final Exam</i></td> <td>30%</td> </tr> </tbody> </table>	Rencana Evaluasi	Bobot Weight	Presentasi <i>Presentation</i>	20%	Evaluasi Tengah Semester <i>Mid Semester Exam</i>	25%	Tugas Kelompok <i>Team based task</i>	25%	Evaluasi Akhir Semester <i>Final Exam</i>	30%
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<p>Media yang digunakan <i>Media employed</i></p>	<p>Classical teaching tools with white board and power point presentation</p>										
<p>Daftar Pustaka <i>Reading list</i></p>	<ol style="list-style-type: none"> 1. Aronoff, S, 1989. "Geographic Information System : A Management Perspective". WDL Publications, Ottawa, Canada 2. Burrough, P.A & McDonnel, R.A, 1998. "Principles of Geographical Information System". Oxford University Press Inc, New York 3. Burrough, P.A, 1996. "Principles of Geographical Information System For Land Resources Assessment". Oxford University Press Inc, New Yor 4. Budi Harsono, Hukum Agraria Indonesia, Himpunan Peraturan-peraturan Hukum Tanah, Jembatan, Jakarta, 1986. 5. Hermanses,R., Pendaftaran Tanah di Indonesia, Jembatan, Jakarta. 										