PROGRAM STUDI MAGISTER TEKNIK GEOMATIKA
MASTER OF GEOMATICS ENGINEERING

BUKU PEDOMAN MATA KULIAH

COURSES MODULE HANDBOOK

SISTEM INFORMASI MANAJEMEN
MANAGEMENT INFORMATION SYSTEM

DEPARTEMEN TEKNIK GEOMATIKA
Fakultas Teknik Sipil, Perencanaan, dan Kebumian

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

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

6. Sistem Informasi Manajemen / Management Information System

Nama modul *Module name*	Sistem Informasi Manajemen *Management Information System*
Tingkatan *Module level*	Pasca Sarjana (S2) *Master Degree*
Kode *Code*	CM235301
Mata kuliah *Course*	Sistem Informasi Manajemen *Management Information System*
Semester *Semester*	III (tiga) *III (three)*
Penanggung jawab mata kuliah *Person responsible for the module*	Dr. Ing. Ir. Teguh Hariyanto, M.Sc.
Dosen *Lecturer*	Dr. Ing. Ir. Teguh Hariyanto, M.Sc. Dr. Ir. Muhammad Taufik
Bahasa *Language*	Bahasa Indonesia dan Bahasa Inggris *Indonesian and English*
Relasi pada kurikulum *Relation to curriculum*	Mata kuliah wajib untuk Program Master Teknik Geomatika *Compulsory Courses for Master of Geomatics Engineering*
Tipe pertemuan, jam tatap muka *Type of teaching, contact hours*	Kuliah, 1.67 jam x 16 minggu per semester *Lecture, 1.67 hours x 16 weeks per semester*
Beban belajar *Workload*	Kuliah: 1.67 jam x 14 minggu = 23.38 jam Penugasan terstruktur: 2 jam x 14 minggu= 28 jam Kegiatan mandiri: 2 jam x 14 minggu = 28 jam Ujian: 1.67 jam x 2 kali = 3.34 jam Paper review: 2.83 jam x 14 = 39.62 Studi Case-based: 2.83 jam x 14 = 39.62 Total = 161.96 jam *Lecture: 1.67 hours x 14 weeks = 23.38 hours* *Structured exercises and assignments: 2 hours x 14 weeks = 28 hours* *Independent activities: 2 hours x 14 weeks = 28 hours* *Exam: 1.67 hours x 2 time = 3.34 hours* *Paper review: 2.83 jam x 14 = 39.62* *Case-based study: 2.83 jam x 14 = 39.62* *Total = 161.96 hours*
Kredit *Credits*	2 SKS + 2 SKS tambahan beban *2 credits + 2 credits additional activities*
Persyaratan sesuai dengan peraturan ujian *Requirements according to*	Minimum 80% kehadiran untuk mengikuti ujian tertulis *Minimum 80% attendance in this course in order to*

theexamination regulations	*take the exams*
Deskripsi Mata Kuliah	Pada mata kuliah ini, mahasiswa akan mempelajari konsep dan komponen dari sistem informasi manajemen. Serta, mahasiswa akan menerapkan sistem informasi manajemen. Selain itu, mahasiswa diminta untuk memahami penyusunan basis data pada sistem informasi manajemen. Lebih jauh lagi, mahasiswa diharapkan mampu mengaplikasikan metode sistem informasi manajemen.
Description of Course	*In this course, students will learn the concepts and components of management information systems. Also, students will understand and apply the management information system by developing database systems.*
Capaian Pembelajaran / *Course Learning Outcomes*	1. Mahasiswa dapat memahami dan mengerti tentang konsep SIM, komponen dan penerapannya. 2. Mahasiswa mengetahui serta memahami proses dalam penyusunan SBD di SIM. 3. Mahasiswa mengerti manfaat dari metoda SIM serta bidang lain yangg terkait. 4. Mahasiswa memahami dan mampu dalam mengaplikasikan metoda SIM beserta pengembangannya dalam perencanaan desiminasi informasi geospasial dan jaringannya.
Module objectives/ Course learning outcomes	1. *Students can understand and understand the concept of MIS, its components and applications.* 2. *Students know and understand the process in the preparation of DBMS in SIM.* 3. *Students understand the benefits of the SIM method and other related fields.* 4. *Students understand and are able to apply the SIM method and its development in planning the dissemination of geospatial information and its network.*

CPMK dan hubungan dengan CPL Prodi *Learning outcomes and their corresponding to PLOs*	PLO.1	PLO.2	PLO.3	PLO.4	PLO.5	PLO.6	PLO.7	PLO.8	PLO.9
CLO.1			✓	✓					
CLO.2				✓	✓				
CLO.3					✓	✓		✓	
CLO.4						✓		✓	✓

Mata kuliah wajib prasyarat *Mandatory prerequisites*	-
Pokok Bahasan	1. Prinsip dan Komponen Sistem Informasi manajemen

	2. Prinsip dan Komponen Sistem Informasi manajemen Menggunakan Teknologi Terkini 3. Pengembangan perencanaan sistem manajemen di Indonesia dan berbagai negara 4. Pendahuluan sistem informasi manajemen 5. Teknologi GIS yang digunakan dalam sistem manajemen 6. Metodologi dalam pembuatan sistem informasi manajemen 7. Desain sebuah GUI pada sistem informasi manajemen untuk desiminasi informasi
Content	1. *Principles and components in management information system* 2. *Principles and components in management information system using latest technology* 3. *Development of management system in Indonesia and other countries* 4. *Background of management information system* 5. *GIS technology to use in management information system* 6. *Methods in the generation of management information system* 7. *GUI design development in management information system for information dissemination*
Pembelajaran dan Persyaratan Ujian *Study and examination requirements and forms of examination*	<table><tr><th>Rencana Evaluasi</th><th>Bobot *Weight*</th></tr><tr><td>Studi Kasus *Case Method*</td><td>25%</td></tr><tr><td>Evaluasi Tengah Semester *Middle Semester Examination*</td><td>25%</td></tr><tr><td>Hasil Proyek *Team Based Project*</td><td>25%</td></tr><tr><td>Evaluasi Akhir Semester *Final Semester Examination*</td><td>25%</td></tr></table>
Media yang digunakan *Media employed*	Classical teaching tools with white board and power point presentation
Daftar Pustaka *Reading list*	1. Effy Oz, 2008, Management Information Systems Sixth Edition 6th Edition, Course Technology, USA 1. Pearlson, K.E., Saunders, C.S., and Galletta, D.F., 2019, Managing and Using Information Systems: A Strategic Approach 7th Edition, Wiley 2. Brody, D., 2019, Information Systems and

	Management, Clanrye International