



DEPARTMENT OF GEOMATICS ENGINEERING
UNDERGRADUATE PROGRAM IN GEOMATICS ENGINEERING
COURSE SYLLABUS

COURSE	Name	Information System for Planning
	Code	RM184952
	Credits	3 (three)
	Semester	Elective Course

COURSE DESCRIPTION

This course explains the basic concepts of planning, planning processes and planning information systems. Basic theory regarding the components of planning, the concept of spatial planning, the function of the region in the regional spatial plan will be given so that students will have the knowledge of how to prepare a planning information system related to urban areas. To understand and gain experience in planning information systems, students will be given the task of identifying the application of planning information systems in regional spatial planning

EXPECTED LEARNING OUTCOME

D	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,
E	Able to apply information & communication technology and the latest technological developments in the fields of geodesy, surveying, hydrographic, remote sensing, photogrammetry, geographic information systems, and cadastral.
H	Able to work in inter-disciplinary and inter-cultural teams so they can compete at national and international levels.

COURSE LEARNING OUTCOME

1	Students are able to understand planning, planning processes and planning information systems
2	Students are able to understand the type of planning component
3	Students are able to understand the concept of spatial planning
4	Students are able to identify the application of planning information systems in regional spatial planning

COURSE MATERIALS

1	This course examines planning, planning processes and planning information systems, and the application of planning information systems in regional spatial planning.
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PREREQUISITE

Geographic Information System

REFERENCES

A.	Main References
1	Cassidy, Anita. 2006. Information System Strategic Planning. Auerbach Publications, France
2	Yussof, M. B. 2009. Information System Planning. Open University Malaysia
3	King, William, R. 2015. Planning for information systems. Oxfordshire, England ; New York, New York : Routledge
B.	Additional References
1	Peraturan Menteri Pekerjaan Umum Nomor 20 Tahun 2011 tentang Pedoman Penyusunan Rencana Detail Tata Ruang dan Peraturan Zonasi Kabupaten / Kota