



UNIVERSITAS NEGERI PADANG

Faculty of Social Sciences Department of Geography

Jalan Prof Dr. Hamka Kampus UNP Air Tawar Padang 25171

Telp. (0751) 7055 671 Fax (0751) 7055 671

Email. geografi@fis.unp.ac.id Web. geografi.fis.unp.ac.id

DESCRIPTION	
▪ Module Name	APPLIED GEOGRAPHIC INFORMATION SYSTEM
▪ Module Level	Bachelor
▪ Code	GEO1.62.4005
▪ Subheading	--
▪ Classes	2017
▪ Semester	6 th
▪ Module Coordinator	Dr. Arie Yulfa, S.T, M.Sc
▪ Lecturer	Team: Dian Adhetya Arif, S.Pd, M.Sc Azhari Syarief, S.Pd, M.Si Risky Ramadhan, S.Pd, M.Si Bigharta Bakti Susetyo.S.Pd,M.Pd
▪ Language	Bahasa Indonesia
▪ Classification within the curriculum	Compulsory course
▪ Teaching format / class hours per week during the semester	150 minutes lectures, 180 minutes structured activities and 180 minutes self-study per week.
▪ Workload	Total workload is 136 hours per semester which consists of 150 minutes lectures, 180 minutes structured activities, and 180 minutes self-study per week for 16 weeks
▪ Credit points	3 SKS (4,53 ECTS)
▪ Prerequisites course(s)	Geographic Information System
▪ Course outcome	After taking this course the students have ability to: 1. Students are able to apply GIS concepts, work in processing and modeling spatial data. 2. As well as being able to analyze Geographic Information System data and its use in various fields of study 3. Able to operate and analyze geographic information systems for spatial planning in ArcGIS software. 4. Able to process, analyze, present geosphere data and information by using geospatial technology for geography learning and research;



UNIVERSITAS NEGERI PADANG

Faculty of Social Sciences Department of Geography

Jalan Prof Dr. Hamka Kampus UNP Air Tawar Padang 25171

Telp. (0751) 7055 671 Fax (0751) 7055 671

Email. geografi@fis.unp.ac.id Web. geografi.fis.unp.ac.id

▪ Content	GIS Application Course discusses theoretical and practical discussions about the concept of Geographic Information Systems, working in Geographic Information Systems (Input, Process and Output)																											
▪ Study / exam achievements	<table><tr><th>N o</th><th>CO</th><th>Assessment Object</th><th>Assessment Technique</th><th>Weight</th></tr><tr><td rowspan="5">1</td><td rowspan="5">CO1-CO4</td><td>a. Individual Assignment</td><td rowspan="5">Written Test</td><td>10%</td></tr><tr><td>b. Group Assignment</td><td>10%</td></tr><tr><td>c. Quiz</td><td>5%</td></tr><tr><td>d. Mid-Term Examination</td><td>30%</td></tr><tr><td>e. Final Examination</td><td>40%</td></tr><tr><td>2</td><td></td><td>Activities</td><td>observation</td><td>5 %</td></tr></table>					N o	CO	Assessment Object	Assessment Technique	Weight	1	CO1-CO4	a. Individual Assignment	Written Test	10%	b. Group Assignment	10%	c. Quiz	5%	d. Mid-Term Examination	30%	e. Final Examination	40%	2		Activities	observation	5 %
N o	CO	Assessment Object	Assessment Technique	Weight																								
1	CO1-CO4	a. Individual Assignment	Written Test	10%																								
		b. Group Assignment		10%																								
		c. Quiz		5%																								
		d. Mid-Term Examination		30%																								
		e. Final Examination		40%																								
2		Activities	observation	5 %																								
▪ Forms of media	Power Point, Video, Picture, Board, LCD Projector, Laptop/Computer																											
▪ Literature	Referensi 1. Abidin, H.Z. 2007. Positioning With GPS and Its Applications. Third edition. Jakarta: PT. Pradnya Paramita 2. Aronoff, Stan. 1989. Geographic Information System: A Management Perspective, WDL Publications, Ottawa. 3. Lillesand T. M., R. W. Kiefer and J. W. Chipman. 2008. Remote Sensing and Image Interpretation. Sixth Edition. John Wiley and Sons. New York. 4. Prahasta, Eddy. 2001. Basic Concepts of Geographic Information Systems, Informatics, Bandung.																											



UNIVERSITAS NEGERI PADANG

Faculty of Social Sciences Department of Geography

Jalan Prof Dr. Hamka Kampus UNP Air Tawar Padang 25171

Telp. (0751) 7055 671 Fax (0751) 7055 671

Email. geografi@fis.unp.ac.id Web. geografi.fis.unp.ac.id

	5. Maguire, D.J., M. Batty., M.F. Goodchild. 2005. GIS, Spatial Analysis, and Modeling. New York. ESRI Press. 6. Bhattarai, Prasanta. 2007. A GIS Based Walkability Analysis. New York: The State University of New York at Buffalo. 7. Goodchild, M.F. 2010. GIS and Modeling Overview. Santa Barbara: University of California at Santa Barbara. 8. ESRI 9. Other references: newspaper articles, articles and journals from the internet 10. Wei, W. (2012). Research on the application of geographic information system in tourism management. <i>Procedia Environmental Sciences</i>, 12, 1104-1109.
--	--

PLO and CO Mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9
CO1		V							
CO2									
CO3									