



UNIVERSITAS GADJAH MADA

Faculty of Geography

Department of Development Geography

Regional Development Study Program

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Undergraduate Programme in Regional Development

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MODULE HANDBOOK

Module name	Data Management and Analysis
Module level, if applicable	Bachelor
Code, if applicable	GPW 2110
Subtitle, if applicable	-
Courses, if applicable	Data Management and Analysis
Semester(s) in which the module is taught	4 th (fourth)
Person responsible for the module	Departement of Development Geography
Lecturers	Drs. H. B S Eko Prakoso, M.SP. Dr. Andri Kurniawan, S.Si., M.Si. Dr. rer. pol. Dyah Widayastuti, S.T., M.CP.
Language	Bahasa Indonesia
Relation to curriculum	Compulsory course in the second year (4 th semester) Bachelor Degree
Type of teaching, contact hours	100 minutes hours lectures per week, 100 minutes structured activities per week hours, and 100 minutes individual study.
Workload	Total workload is 70 hours, which consist of 100 minutes lectures per week for 14 weeks, 100 minutes structured activities per week, and 100 minutes individual study per week, in total 16 weeks per semester, including mid exam and final exam.
Credit points	2
Requirements according to the examination regulations	Students have taken the course of Data Management and Analysis (GPW 2110) with 70% minimum course attendance and have an examination card where the course is stated on.
Recommended prerequisites	No prerequisites is needed
Module objectives/intended learning outcomes	After completing this course the students should have : CLO 1. Basic understanding of general definition, scope, and technique of regional data collecting. CLO 2. Do the process of regional data management CLO 3. Arrange an argument, choosing and organizing the variable/indicator, and explaining the result of regional data management
Content	<ol style="list-style-type: none"> a. Function of data, type of data, technique of data analysis, and data collecting technique. b. Database system, Database normalization, and database planning. c. Data testing, descriptive analysis, comparative testing analysis, correlation and regretion testing analysis, and spatial data analysis

Study and examination requirements and forms of examination	The final mark will be weighted as follows:																						
	<table border="1"> <thead> <tr> <th>No</th> <th>Assessment methods (components, activities)</th> <th>Weight (percentage)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Final Examination</td> <td>35%</td> </tr> <tr> <td>2</td> <td>Mid-Term Examination</td> <td>35%</td> </tr> <tr> <td>3</td> <td>Individual Task</td> <td>10%</td> </tr> <tr> <td>4</td> <td>Group Task</td> <td>10%</td> </tr> <tr> <td>5</td> <td>Quiz</td> <td>5%</td> </tr> <tr> <td>6</td> <td>Active Class</td> <td>5%</td> </tr> </tbody> </table>	No	Assessment methods (components, activities)	Weight (percentage)	1	Final Examination	35%	2	Mid-Term Examination	35%	3	Individual Task	10%	4	Group Task	10%	5	Quiz	5%	6	Active Class	5%	
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4	Group Task	10%																					
5	Quiz	5%																					
6	Active Class	5%																					
Teaching Aid	Board, LCD Projector, Laptop/Computer																						
Reading List	<ol style="list-style-type: none"> 1. Fatansyah. 1999. <i>Basis Data</i>. Informatika. Bandung. 2. Santoso, Singgih. 2000. <i>Buku Latihan SPSS Statistik Parametrik</i>. Elex Media Komputindo. Jakarta 3. Santoso, Singgih. 2000. <i>Buku Latihan SPSS Statistik Multivariat</i>. Elex Media Komputindo. Jakarta. 4. Sulaiman, Wahid. 2002. <i>SPSS – Statistik Non Parametrik</i>. Penerbit. Kota Penerbit. 5. Walford, Nigel. 2011. <i>Practical Statistics for Geographers and Earth Scientists</i>. Wiley-Blackwell. Hoboken – USA. 6. Wilson and Bennet. 1987. <i>Mathematical Methods in Human Geography and Planning</i>. Page Brothers Ltd. Norwich 																						

PLO and CO Mapping

	PLO – A1	PLO- A2	PLO – B1	PLO – C1	PLO – D1	PLO – D2
CLO 1		v				
CLO 2				v		
CLO 3						v
CLO 4						
CLO 5						