



**Universitas Negeri Surabaya**  
**Faculty of Social and Legal Sciences**  
**Geography Education Undergraduate Study Program**

Document Code

**SEMESTER LEARNING PLAN**

<b>Courses</b>	<b>CODE</b>	<b>Course Family</b>	<b>Credit Weight</b>	<b>SEMESTER</b>	<b>Compilation Date</b>																																	
Geography Research Methods	8720202104		T=2 P=0 ECTS=3.18	5	July 18, 2024																																	
<b>AUTHORIZATION</b>	<b>SP Developer</b>		<b>Course Cluster Coordinator</b>	<b>Study Program Coordinator</b>																																		
	.....		.....	Dr. Nugroho Hari Purnomo, S.P., M.Si.																																		
<b>Learning model</b>	Project Based Learning																																					
<b>Program Learning Outcomes (PLO)</b>	PLO study program which is charged to the course																																					
	Program Objectives (PO)																																					
	PLO-PO Matrix																																					
		<table border="1" style="margin: auto;"> <tr><td style="width: 50px; height: 20px;">P.O</td></tr> </table>					P.O																															
P.O																																						
	PO Matrix at the end of each learning stage (Sub-PO)																																					
	<table border="1" style="margin: auto;"> <tr> <td rowspan="2" style="width: 30px; height: 20px;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 20px;">1</td> <td style="width: 20px;">2</td> <td style="width: 20px;">3</td> <td style="width: 20px;">4</td> <td style="width: 20px;">5</td> <td style="width: 20px;">6</td> <td style="width: 20px;">7</td> <td style="width: 20px;">8</td> <td style="width: 20px;">9</td> <td style="width: 20px;">10</td> <td style="width: 20px;">11</td> <td style="width: 20px;">12</td> <td style="width: 20px;">13</td> <td style="width: 20px;">14</td> <td style="width: 20px;">15</td> <td style="width: 20px;">16</td> </tr> </table>					P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																						
<b>Short Course Description</b>	<p>Geography Research Methods lectures with a weight of 4 credits are held in 16 meetings with the main study focus, namely: 1) answer the curiosity of unanswered questions about the existence of geosphere phenomena; 2) how to recognize geosphere phenomena using scientific patterns, namely rational, logical, systematic, and analytical using scientific methods; 3) assess the answers from the investigation and discovery process using the principles of scientific truth. The aim of the course is to prepare students to have a clear insight into the thinking of the research process, have the ability and skills to determine and use scientific methods in geographical research, have the ability to assess scientific truth, have the ability and skills in verbal, visual, mathematical, digital, and cognitive in writing scientific research results. The scope of geographical research studies includes the study of physical geography, human geography, a combination of physical geography and human geography, technical geography, and geography education with spatial, regional and environmental approaches.</p>																																					
<b>References</b>	<b>Main :</b>																																					
	<p>1.</p> <p>Bintaro, R, dan Surastopo Hadisumarmo (1982) <i>Metode Analisa Geografi</i>, Jakarta: LP3ES</p> <p>Cochran, Willian C. (1977), <i>Sampling Techniques</i>, (second Edition New Delhi: Wiley Eastern Limited)</p> <p>Kitchin, Rab and Nicholas J. Tate. (2000). <i>Conducting Research In Human Geography Theori, Methodology and Practive</i> (Firs Edition) Singapore: Addison Wesley Longman Singapore Ltd.</p> <p>Krath Wohl, David R. (1976) <i>How to Prepare A Research Proposal</i> (Second Edition). Syracuse; University</p> <p>Masri Sngarimbun dan Sofian Eddendi. (1982) <i>Metode Penelitian Survey</i>. Jakarta: LP3ES.</p>																																					
	<b>Supporters:</b>																																					
<b>Supporting lecturer</b>	<p>Prof. Dr. Ketut Prasetyo, M.S.          Dr. Nugroho Hari Purnomo, S.P., M.Si.</p>																																					

Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [ Estimated time]		Learning materials [ References ]	Assessment Weight (%)
		Indicator	Criteria & Form	Offline ( offline )	Online ( online )		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Able to understand the meaning, meaning and types of research	1.Explain the meaning of research 2.Explain the types of research	<b>Criteria:</b> 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if..... 4.etc 5.The assessment criteria are carried out by looking at aspects: 6.1. Participation: carried out by observing student activities (weight 2) 7.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 8.3. UAS: carried out every semester to measure all indicators (weight 3) 9.4. Task: carried out on each indicator (weight 3) 10.Student Final Grade: 11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10.	Presentation, class discussion, question and answer 2 X 50			0%

2	Students are able to understand research paradigms	<ol style="list-style-type: none"> <li>1.Explain the qualitative research paradigm</li> <li>2.Explain the quantitative research paradigm</li> <li>3.Explains the combined qualitative and quantitative research paradigm</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	Presentation, class discussion, question and answer 2 X 50		0%
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3	Students are able to understand the selection of research problems and research topics	<ul style="list-style-type: none"> <li>· Explain the forms of research problems</li> <li>· Explain the background, objectives and benefits of research</li> <li>· Explain the authenticity of the research</li> </ul>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	Presentation, class discussion, question and answer 2 X 50			0%
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4	Students are able to understand the explanation of geosphere phenomena	<ul style="list-style-type: none"> <li>· Explain the concept of the geosphere</li> <li>· Explain the variables in the concept of the geosphere</li> <li>· Explain the formulation of the theoretical basis, hypotheses, prepositions, postulates and research questions</li> </ul>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	Presentation, class discussion, question and answer 2 X 50			0%
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5	Students are able to understand the units of analysis for geographic research	· Explain the importance of regional analysis units. · Explain how to prepare regional analysis units	<b>Criteria:</b> 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if..... 4.etc 5.The assessment criteria are carried out by looking at aspects: 6.1. Participation: carried out by observing student activities (weight 2) 7.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 8.3. UAS: carried out every semester to measure all indicators (weight 3) 9.4. Task: carried out on each indicator (weight 3) 10.Student Final Grade: 11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2)%2 UAS Score (3) divided by 10.	Presentation, class discussion, question and answer 2 X 50			0%
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6	Students are able to understand sampling	· Explain the concept of population and sample · Explain how to determine the sample	<b>Criteria:</b> 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if..... 4.etc 5.The assessment criteria are carried out by looking at aspects: 6.1. Participation: carried out by observing student activities (weight 2) 7.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 8.3. UAS: carried out every semester to measure all indicators (weight 3) 9.4. Task: carried out on each indicator (weight 3) 10.Student Final Grade: 11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.	Presentation, class discussion, question and answer 2 X 50			0%
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7	Students are able to understand the preparation of scales	<ol style="list-style-type: none"> <li>1.Explain the concept of measurement scales</li> <li>2.Explain how to select a measurement scale</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	Presentation, class discussion, question and answer 2 X 50			0%
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8	Midterm exam	<ol style="list-style-type: none"> <li>1.Explain the meaning of a questionnaire</li> <li>2.Explain the meaning of interview</li> <li>3.Explain the meaning of observation</li> <li>4.Explain the meaning of FGD</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	2 X 50			0%
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9	Students are able to understand data collection 1	<ol style="list-style-type: none"> <li>1.Explain the meaning of a questionnaire</li> <li>2.Explain the meaning of interview</li> <li>3.Explain the meaning of observation</li> <li>4.Explain the meaning of FGD</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	Presentation, class discussion, question and answer 2 X 50		0%
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10	Students are able to understand data collection 2	<ol style="list-style-type: none"> <li>1.Explain map understanding</li> <li>2.Explain the understanding of aerial photography or imagery</li> <li>3.Explains understanding of references, photos, models</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	Presentation, class discussion, question and answer 2 X 50			0%
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11	Students are able to understand research data analysis	<ul style="list-style-type: none"> <li>· Explain the importance of the discussion</li> <li>· Explain the relationship between research results and concepts</li> </ul>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	Presentation, class discussion, question and answer 2 X 50			0%
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12	Students are able to understand research reports	<ol style="list-style-type: none"> <li>1.Explain the systematics of scientific reports</li> <li>2.Explain the role of images, tables, diagrams in research reports</li> </ol>	<p><b>Criteria:</b></p> <ol style="list-style-type: none"> <li>1.Contains an assessment rubric, for example:</li> <li>2.question number 1 has a weight of 10 if.....</li> <li>3.question number 2 has a weight of 5 if.....</li> <li>4.etc</li> <li>5.The assessment criteria are carried out by looking at aspects:</li> <li>6.1. Participation: carried out by observing student activities (weight 2)</li> <li>7.2. UTS: carried out with an assessment during the middle of the semester (weight 2)</li> <li>8.3. UAS: carried out every semester to measure all indicators (weight 3)</li> <li>9.4. Task: carried out on each indicator (weight 3)</li> <li>10.Student Final Grade:</li> <li>11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.</li> </ol>	Presentation, class discussion, question and answer 2 X 50			0%
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13	Students are able to identify the components of a research article	Identifying the background, problem, objectives, literature, methodology, results, discussion, conclusions and references of a research article	<b>Criteria:</b> 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if..... 4.etc 5.The assessment criteria are carried out by looking at aspects: 6.1. Participation: carried out by observing student activities (weight 2) 7.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 8.3. UAS: carried out every semester to measure all indicators (weight 3) 9.4. Task: carried out on each indicator (weight 3) 10.Student Final Grade: 11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.	Practice, group discussion, question and answer 2 X 50			0%
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14	Students are able to identify the analysis of a geographic research article	Identifying the relationship between background, problems, objectives, literature, methodology and the results and discussion of a geographic research article	<b>Criteria:</b> 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if..... 4.etc 5.The assessment criteria are carried out by looking at aspects: 6.1. Participation: carried out by observing student activities (weight 2) 7.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 8.3. UAS: carried out every semester to measure all indicators (weight 3) 9.4. Task: carried out on each indicator (weight 3) 10.Student Final Grade: 11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.	Practice, group discussion, question and answer 2 X 50			0%
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15	Students are able to prepare geographic research proposals	· Explain the research proposal prepared	<b>Criteria:</b> 1.Contains an assessment rubric, for example: 2.question number 1 has a weight of 10 if..... 3.question number 2 has a weight of 5 if..... 4.etc 5.The assessment criteria are carried out by looking at aspects: 6.1. Participation: carried out by observing student activities (weight 2) 7.2. UTS: carried out with an assessment during the middle of the semester (weight 2) 8.3. UAS: carried out every semester to measure all indicators (weight 3) 9.4. Task: carried out on each indicator (weight 3) 10.Student Final Grade: 11.Participation Score (2)%2 Lever Score (3)%2 UTS Score (2) x UAS Score (3) divided by 10.	Practice, group discussion, question and answer 2 X 50		0%
16						0%

#### Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
		0%

#### Notes

- Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- Forms of assessment:** test and non-test.
- Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.



10. **Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
11. **The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
12. TM=Face to face, PT=Structured assignments, BM=Independent study.