



**Universitas Negeri Surabaya
Faculty of Social Sciences and Law
Sociology Undergraduate Study Program**

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date
Big Data Analysis for Sociology	6920102303	Study Program Elective Courses	T=1 P=1 ECTS=3.18	4	July 17, 2024
AUTHORIZATION	SP Developer		Course Cluster Coordinator	Study Program Coordinator	
	Arief Sudrajat, S.Ant, M.Si		Dr. Agus Machfud Fauzi, M.Si.	

Learning model	Case Studies																																	
Program Learning Outcomes (PLO)	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; text-align: center;">1</td> <td style="width: 20px; text-align: center;">2</td> <td style="width: 20px; text-align: center;">3</td> <td style="width: 20px; text-align: center;">4</td> <td style="width: 20px; text-align: center;">5</td> <td style="width: 20px; text-align: center;">6</td> <td style="width: 20px; text-align: center;">7</td> <td style="width: 20px; text-align: center;">8</td> <td style="width: 20px; text-align: center;">9</td> <td style="width: 20px; text-align: center;">10</td> <td style="width: 20px; text-align: center;">11</td> <td style="width: 20px; text-align: center;">12</td> <td style="width: 20px; text-align: center;">13</td> <td style="width: 20px; text-align: center;">14</td> <td style="width: 20px; text-align: center;">15</td> <td style="width: 20px; text-align: center;">16</td> </tr> </table>	P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
P.O	Week																																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																		

Short Course Description Understand big data concepts, opportunities and challenges related to data mining techniques and description and prediction models with very large data

References	Main :
	<ol style="list-style-type: none"> Colin Strong, 2015, Humanizing Big Data: Marketing at the Meeting of Data, Social Science and Consumer Insight , Kogan Page Ian Foster, Rayid Ghani, Ron S. Jarmin, Frauke Kreuter, Julia Lane, 2017, Big data and social science: a practical guide to methods and tools, Chapman and Hall/CRC, Taylor & Francis Group Martin Atzmueller, Alvin Chin, Frederik Janssen, Immanuel Schweizer, Christoph Trattner, 2016, Big Data Analytics in the Social and Ubiquitous Context: 5th International Workshop on Modeling Social Media, MSM 2014, 5th International Workshop on Mining Ubiquitous and Social Environments, MUSE 2014, and First International Workshop on Machine Learning for Urban Sensor Data, SenseML 2014, Revised Selected Papers , Chapman and Hall/CRC, Taylor & Francis Group
	Supporters:

Supporting lecturer Arief Sudrajat, S.Ant., M.Si.

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	Understand and be able to apply big data analysis for sociological studies	Understanding big data for social science in research Understanding the Data Revolution and Disciplinary Collaboration. Understanding Big Data and Citizens' Daily Lives. Understanding the Dark Side of Big Data as a Social Science Research Topic	Form of Assessment : Participatory Activities	Behavioristic/ Expository/ Lecture Approach 2 X 50			5%
2	Understand and be able to apply big data analysis for sociological studies	Understanding the emergence of Social Civilization through Big Data Understanding the Global Historical Typology of Big Data Understanding the Use of Big Data in Social Studies Understanding the Digital Divide	Form of Assessment : Participatory Activities	Behavioristic/ Expository/ Lecture Approach 2 X 50			5%
3			Form of Assessment : Participatory Activities	2 X 50			5%
4			Form of Assessment : Participatory Activities	2 X 50			5%
5			Form of Assessment : Participatory Activities	2 X 50			5%
6			Form of Assessment : Participatory Activities	2 X 50			5%
7			Form of Assessment : Participatory Activities	2 X 50			5%
8			Form of Assessment : Participatory Activities, Tests	2 X 50			15%
9			Form of Assessment : Participatory Activities	2 X 50			5%
10			Form of Assessment : Participatory Activities	2 X 50			5%
11			Form of Assessment : Participatory Activities	2 X 50			5%

12			Form of Assessment : Participatory Activities	2 X 50			5%
13			Form of Assessment : Participatory Activities	2 X 50			5%
14			Form of Assessment : Participatory Activities	2 X 50			5%
15			Form of Assessment : Participatory Activities	Behavioristic/ Expository/ Lecture Approach 2 X 50			5%
16			Form of Assessment : Test				15%

Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
1.	Participatory Activities	77.5%
2.	Test	22.5%
		100%

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.
- Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 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%.
- TM=Face to face, PT=Structured assignments, BM=Independent study.