	Universitas Negeri Surabaya Faculty of Education, Doctoral Study Program in Educational Technology	Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Publication	8600305032		T=5	P=0	ECTS=12.6	2	July 17, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
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Learning model	**Project Based Learning**
Program Learning Outcomes (PLO)	**PLO study program which is charged to the course**
	Program Objectives (PO)
	PLO-PO Matrix

P.O

PO Matrix at the end of each learning stage (Sub-PO)

P.O	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Short Course Description	Produce scientific articles that match the structure, template, content and scientific knowledge of educational technology. Content analysis and research methodology and discussion of a scientific article. Lectures are carried out using a system of presentations, discussions, reports and reflections
References	**Main :**

1. American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association
2. Modern Language Association. 2009. MLA Handbook For Writers of Research Papers (Seventh Edition). New York: Modern Language Association
3. Chris A. Mack. 2018. How to write a good scientific paper. Bellingham: SPIE
4. A Guide to Reading and Analyzing Academic Articles, by Amanda Graham, 1997-2012

	Supporters:
Supporting lecturer	Dr. Fajar Arianto, S.Pd., M.Pd. Irena Yolanita Maureen, S.Pd., M.Sc., Ph.D. Dr. Atan Pramana, M.Pd. Dr. Syaiputra Wahyuda Meisa Diningrat, M.Pd.

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 the structure of scientific articles	1. Identify the structure of the article 2. Describe parts of scientific articles	**Criteria:** Accuracy of identification of scientific articles **Form of Assessment** : Test	inquiry		**Material:** scientific article type **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association*	2%
2	Understand the structure of scientific articles	1. Identify the structure of the article 2. Describe parts of scientific articles	**Criteria:** Accuracy of identification of scientific articles	inquiry		**Material:** scientific article type **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association*	0%
3	Determine the title of the article according to the research results	Formulate a short and clear research title	**Criteria:** Suitability of the title to the research field **Form of Assessment** : Project Results Assessment / Product Assessment	project based learning		**Material:** writing **Bibliography title:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association*	5%
4	Write an abstract according to the criteria for writing scientific papers	1. Determine the parts of the abstract 2. Write the research objectives in the abstract 3. Formulate research methods 4. Formulate research results 5. Determine keywords	**Criteria:** 1. accuracy of writing of the abstract section 2. appropriate word count 3. accuracy in determining keywords **Form of Assessment** : Project Results Assessment / Product Assessment	project based learning		**Material:** abstract writing **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association* **Material:** abstract writing **Reader:** *Chris A. Mack. 2018. How to write a good scientific paper. Bellingham: SPIE*	10%

5	Write an abstract according to the criteria for writing scientific papers	1. Determine the parts of the abstract 2. Write the research objectives in the abstract 3. Formulate research methods 4. Formulate research results 5. Determine keywords	**Criteria:** 1. accuracy of writing of the abstract section 2. appropriate word count 3. accuracy in determining keywords	project based learning		**Material:** abstract writing **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association* **Material:** abstract writing **Reader:** *Chris A. Mack. 2018. How to write a good scientific paper. Bellingham: SPIE*	0%
6	Formulate an introduction to a scientific article based on variables related to the research	1. Describe the background based on the problem 2. Describe the relationship between variables theoretically	**Criteria:** 1. The accuracy of the background description is based on the problem 2. The accuracy of describing the relationship between variables theoretically 3. Suitability of references cited **Form of Assessment** : Project Results Assessment / Product Assessment	project based learning		**Material:** writing introduction to the article **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association*	15%
7	Formulate an introduction to a scientific article based on variables related to the research	1. Describe the background based on the problem 2. Describe the relationship between variables theoretically	**Criteria:** 1. The accuracy of the background description is based on the problem 2. The accuracy of describing the relationship between variables theoretically 3. Suitability of references cited	project based learning		**Material:** writing introduction to the article **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association*	0%
8	midterm exam						0%

9		1. able to determine research methods 2. able to determine the research subject 3. able to determine data analysis techniques	**Criteria:** suitability of writing to method, subject, data analysis **Form of Assessment** : Project Results Assessment / Product Assessment	Project based learning		**Material:** method section in scientific articles **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association* **Material:** writing scientific articles **Library:** *Modern Language Association. 2009. MLA Handbook For Writers of Research Papers (Seventh Edition). New York: Modern Language Association*	15%
10		1. able to determine research methods 2. able to determine the research subject 3. able to determine data analysis techniques	**Criteria:** suitability of writing to method, subject, data analysis	Project based learning		**Material:** method section in scientific articles **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association* **Material:** writing scientific articles **Library:** *Modern Language Association. 2009. MLA Handbook For Writers of Research Papers (Seventh Edition). New York: Modern Language Association*	0%

11	Describe the results of data analysis in the results and discussion sections	1. Write down the results of data analysis 2. Interpret the results of data analysis	**Criteria:** 1. Accuracy of writing data analysis 2. suitability of writing format **Form of Assessment** : Project Results Assessment / Product Assessment	Project based learning		**Material:** data analysis **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association* **Material:** procedures for writing scientific articles **Reader:** *Chris A. Mack. 2018. How to write a good scientific paper. Bellingham: SPIE*	25%
12	Describe the results of data analysis in the results and discussion sections	1. Write down the results of data analysis 2. Interpret the results of data analysis	**Criteria:** 1. Accuracy of writing data analysis 2. suitability of writing format	Project based learning		**Material:** data analysis **Library:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association* **Material:** procedures for writing scientific articles **Reader:** *Chris A. Mack. 2018. How to write a good scientific paper. Bellingham: SPIE*	0%
13	Formulate a discussion of the results of data analysis based on theoretical studies and previous research	1. Examining theories related to research results‘ 2. Review research results that are in accordance with research results	**Criteria:** 1. Accuracy in writing discussions with cited references 2. citation novelty **Form of Assessment** : Project Results Assessment / Product Assessment	Project based learning			15%

14	Formulate a discussion of the results of data analysis based on theoretical studies and previous research	1. Examining theories related to research results' 2. Review research results that are in accordance with research results	**Criteria:** 1. Accuracy in writing discussions with cited references 2. citation novelty **Form of Assessment** : Project Results Assessment / Product Assessment	Project based learning			0%
15	Formulate conclusions from the research results	Able to write conclusions	**Criteria:** accuracy and suitability of writing conclusions with research results **Form of Assessment** : Project Results Assessment / Product Assessment	Project based learning		**Material:** procedures for writing conclusions **References:** *American Psychological Association. 2020. Publication manual of the American Psychological Association. Washington: American Psychological Association*	13%
16	Final exams						0%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Project Results Assessment / Product Assessment	98%
2.	Test	2%
		100%

Notes

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **Forms of assessment:** test and non-test.
8. **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.
9. **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.