



Universitas Negeri Surabaya
Faculty of Mathematics and Natural Sciences
Undergraduate Chemistry Education Study Program

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Chemistry Education Seminar	8420402258		T=2	P=0	ECTS=3.18	6	July 18, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
	Prof. Dr. Utiya Azizah, M.Pd.

Learning model	Case Studies
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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: 30px;"></td> <td style="width: 100px; text-align: center;">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: 50px; height: 30px;"></td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 20px; text-align: center;">P.O</td> <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>		Week																P.O	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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	P.O	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																		

Short Course Description	Training to develop scientific reasoning power through library/field/laboratory studies on chemistry education topics, searching, systematizing, then writing them in the form of papers and presenting them orally
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References	Main : 1. Suseno, S. 1980. Teknik Penulisan Ilmiah Populer . Jakarta: Gramedia 2. Tim. 2011. Panduan Penulisan Proposal dan Skripsi Program Studi Kimia . Surabaya: Unesa University Press 3. Tim. 2006. Panduan Penulisan dan Penilaian Skripsi. Surabaya: Unesa Univeristy Press.
	Supporters:

Supporting lecturer	Prof. Dr. Hj. Sri Poedjiastoeti, M.Si. Prof. Dr. Achmad Lutfi, M.Pd. Prof. Dr. Harun Nasrudin, M.S. ISMONO Prof. Dr. Suyono, M.Pd. Prof. Dr. Hj. Rudiana Agustini, M.Pd. Prof. Dr. Utiya Azizah, M.Pd. Dr. Sukarmin, M.Pd. Dr. Mitarlis, S.Pd., M.Si. Dr. Muchlis, S.Pd., M.Pd. Dian Novita, S.T., M.Pd. Dr. Kusumawati Dwiningsih, S.Pd., M.Pd. Rusly Hidayah, S.Si., M.Pd. Bertha Yonata, S.Pd., M.Pd.
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Week-	Final abilities of each learning stage (Sub-PO)	Evaluation	Help Learning, Learning methods, Student Assignments, [Estimated time]	Learning materials [References	Assessment Weight (%)
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		Indicator	Criteria & Form	Offline (offline)	Online (online)	J	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Understand the techniques for preparing a scientific work	1. Explain the meaning of scientific work. 2. Explain the components of scientific work		Presentation and discussion 2 X 50			0%
2	Able to search library materials	1.Explain the types of library materials 2.Able to search for library sources	Criteria: 1.The assessment is carried out on the following aspects: 2.1. Participation in lectures and seminar paper presentations (weight 2) 3.2. Sub-summative tests or mid-semester exams (UTS) are carried out to assess the progress of preparing the research proposal draft and are given weight (2) 4.3. Assessment of structured assignments and seminar papers or draft proposals, then given weights (3) 5.4. The final semester exam (UAS) is used to measure presentation skills and defend seminar papers or research proposal drafts and the results are given a weight of 5. 6.The final NA is (participation value x2) (Assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	Presentation and discussion 2 X 50			0%

3	Able to search library materials	<p>1.Explain the types of library materials</p> <p>2.Able to search for library sources</p>	<p>Criteria:</p> <p>1.The assessment is carried out on the following aspects:</p> <p>2.1. Participation in lectures and seminar paper presentations (weight 2)</p> <p>3.2. Sub-summative tests or mid-semester exams (UTS) are carried out to assess the progress of preparing the research proposal draft and are given weight (2)</p> <p>4.3. Assessment of structured assignments and seminar papers or draft proposals, then given weights (3)</p> <p>5.4. The final semester exam (UAS) is used to measure presentation skills and defend seminar papers or research proposal drafts and the results are given a weight of 5.</p> <p>6.The final NA is (participation value x2) (Assignment value x 3) (UTS value x 2) UAS value (3) divided by 10</p>	<p>Presentation and discussion 2 X 50</p>		0%
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4	Able to search library materials	<p>1.Explain the types of library materials</p> <p>2.Able to search for library sources</p>	<p>Criteria:</p> <p>1.The assessment is carried out on the following aspects:</p> <p>2.1. Participation in lectures and seminar paper presentations (weight 2)</p> <p>3.2. Sub-summative tests or mid-semester exams (UTS) are carried out to assess the progress of preparing the research proposal draft and are given weight (2)</p> <p>4.3. Assessment of structured assignments and seminar papers or draft proposals, then given weights (3)</p> <p>5.4. The final semester exam (UAS) is used to measure presentation skills and defend seminar papers or research proposal drafts and the results are given a weight of 5.</p> <p>6.The final NA is (participation value x2) (Assignment value x 3) (UTS value x 2) UAS value (3) divided by 10</p>	<p>Presentation and discussion 2 X 50</p>			0%
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5	Able to search library materials	<p>1.Explain the types of library materials</p> <p>2.Able to search for library sources</p>	<p>Criteria:</p> <p>1.The assessment is carried out on the following aspects:</p> <p>2.1. Participation in lectures and seminar paper presentations (weight 2)</p> <p>3.2. Sub-summative tests or mid-semester exams (UTS) are carried out to assess the progress of preparing the research proposal draft and are given weight (2)</p> <p>4.3. Assessment of structured assignments and seminar papers or draft proposals, then given weights (3)</p> <p>5.4. The final semester exam (UAS) is used to measure presentation skills and defend seminar papers or research proposal drafts and the results are given a weight of 5.</p> <p>6.The final NA is (participation value x2) (Assignment value x 3) (UTS value x 2) UAS value (3) divided by 10</p>	<p>Presentation and discussion</p> <p>2 X 50</p>			0%
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6	Able to prepare the introductory part of a research proposal	1. Able to prepare the background of the problem 2. Able to formulate the problem 3. Able to formulate research objectives 4. Able to formulate the benefits of research 5. Able to formulate operational definitions 6. Able to formulate research assumptions and limitations	Criteria: 1. The assessment is carried out on the following aspects: 2.1. Participation in lectures and seminar paper presentations (weight 2) 3.2. Sub-summative tests or mid-semester exams (UTS) are carried out to assess the progress of preparing the research proposal draft and are given weight (2) 4.3. Assessment of structured assignments and seminar papers or draft proposals, then given weights (3) 5.4. The final semester exam (UAS) is used to measure presentation skills and defend seminar papers or research proposal drafts and the results are given a weight of 5. 6. The final NA is (participation value x2) (Assignment value x 3) (UTS value x 2) UAS value (3) divided by 10	2 X 50			0%
7	Able to prepare the literature review section of a research proposal	1. Able to compile theoretical studies supporting research 2. Able to compile relevant research results 3. Able to develop a framework for thinking		Discussions, presentations and consultations 2 X 50			0%
8	Able to prepare the literature review section of a research proposal	1. Able to compile theoretical studies supporting research 2. Able to compile relevant research results 3. Able to develop a framework for thinking		Discussions, presentations and consultations 2 X 50			0%
9							0%
10							0%

11							0%
12							0%
13							0%
14							0%
15							0%
16							0%

Evaluation Percentage Recap: Case Study

No	Evaluation	Percentage
		0%

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.