



Universitas Negeri Surabaya
Faculty of Mathematics and Natural Sciences
Bachelor of Science Education Study Program

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date																																
Science Education Entrepreneurship	8420102069		T=2	P=0	ECTS=3.18	0	July 19, 2024																																
AUTHORIZATION		SP Developer	Course Cluster Coordinator			Study Program Coordinator																																	
				Prof. Dr. Erman, M.Pd.																																	
Learning model	Case Studies																																						
Program Learning Outcomes (PLO)	PLO study program that is charged to the course																																						
	Program Objectives (PO)																																						
	PLO-PO Matrix																																						
		P.O																																					
Short Course Description	This course examines product development in the form of finished goods, services, learning resources and science learning media and services starting from analyzing market needs, testing product feasibility, producing and marketing the products that have been produced.																																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width: 5%; text-align: center;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 2%;">1</td> <td style="width: 2%;">2</td> <td style="width: 2%;">3</td> <td style="width: 2%;">4</td> <td style="width: 2%;">5</td> <td style="width: 2%;">6</td> <td style="width: 2%;">7</td> <td style="width: 2%;">8</td> <td style="width: 2%;">9</td> <td style="width: 2%;">10</td> <td style="width: 2%;">11</td> <td style="width: 2%;">12</td> <td style="width: 2%;">13</td> <td style="width: 2%;">14</td> <td style="width: 2%;">15</td> <td style="width: 2%;">16</td> </tr> </table>							P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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Supporting lecturer	Prof.Dr. Wahono Widodo, M.Si. Dr. Siti Nurul Hidayati, S.Pd., M.Pd. Laily Rosdiana, S.Pd., 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	Mastering theoretical and applicable concepts in the field of entrepreneurship in the field of science education. Utilizing science and technology to explore data and information in developing products that have selling value according to their field of expertise	Identify theoretical concepts in the field of science that can be used as entrepreneurial products.	Criteria: 1.1. Suitability of theoretical products 2.2. Theoretical feasibility 3.3. Empirical Feasibility	AssignmentPerformance analysis application of 3 X 50 theory			0%
2	Mastering theoretical and applicable concepts in the field of entrepreneurship in the field of science education. Utilizing science and technology to explore data and information in developing products that have selling value according to their field of expertise	Identify theoretical concepts in the field of science that can be used as entrepreneurial products.	Criteria: 1.1. Suitability of theoretical products 2.2. Theoretical feasibility 3.3. Empirical Feasibility	AssignmentPerformance analysis application of 3 X 50 theory			0%
3	Mastering theoretical and applicable concepts in the field of entrepreneurship in the field of science education. Utilizing science and technology to explore data and information in developing products that have selling value according to their field of expertise	Identify theoretical concepts in the field of science that can be used as entrepreneurial products.	Criteria: 1.1. Suitability of theoretical products 2.2. Theoretical feasibility 3.3. Empirical Feasibility	AssignmentPerformance analysis application of 3 X 50 theory			0%
4	Design and develop products, and test the feasibility of having sales value and in accordance with their field of expertise. Utilizing science and technology to search for data and information in developing products that have sales value in accordance with their field of expertise	1.Designing products that suit your field of expertise 2.Develop products that have been designed 3.Testing the feasibility of products that have selling value	Criteria: Theoretical and empirical feasibility	Performance Assignments (process) 3 X 50			0%
5	Design and develop products, and test the feasibility of having sales value and in accordance with their field of expertise. Utilizing science and technology to search for data and information in developing products that have sales value in accordance with their field of expertise	1.Designing products that suit your field of expertise 2.Develop products that have been designed 3.Testing the feasibility of products that have selling value	Criteria: Theoretical and empirical feasibility	Performance Assignments (process) 3 X 50			0%

6	Design and develop products, and test the feasibility of having sales value and in accordance with their field of expertise. Utilizing science and technology to search for data and information in developing products that have sales value in accordance with their field of expertise	<ol style="list-style-type: none"> 1.Designing products that suit your field of expertise 2.Develop products that have been designed 3.Testing the feasibility of products that have selling value 	Criteria: Theoretical and empirical feasibility	Performance Assignments (process) 3 X 50			0%
7	Design and develop products, and test the feasibility of having sales value and in accordance with their field of expertise. Utilizing science and technology to search for data and information in developing products that have sales value in accordance with their field of expertise	<ol style="list-style-type: none"> 1.Designing products that suit your field of expertise 2.Develop products that have been designed 3.Testing the feasibility of products that have selling value 	Criteria: Theoretical and empirical feasibility	Performance Assignments (process) 3 X 50			0%
8	Midterm exam	<ol style="list-style-type: none"> 1.Develop products that have been designed 2.Testing the feasibility of products that have selling value 	Criteria: The length of time for achieving BEP on a product	Presentation 3 X 50			0%
9	Responsible for developing and marketing products that have been produced and tested for suitability	Develop and market products that have been produced and tested for suitability	Criteria: The length of time for achieving BEP on a product	Presentation and sales process 3 X 50			0%
10	Responsible for developing and marketing products that have been produced and tested for suitability	Develop and market products that have been produced and tested for suitability	Criteria: The length of time for achieving BEP on a product	Presentation and sales process 3 X 50			0%
11	Responsible for developing and marketing products that have been produced and tested for suitability	Develop and market products that have been produced and tested for suitability	Criteria: The length of time for achieving BEP on a product	Presentation and sales process 3 X 50			0%
12	Responsible for developing and marketing products that have been produced and tested for suitability	Develop and market products that have been produced and tested for suitability	Criteria: The length of time for achieving BEP on a product	Presentation and sales process 3 X 50			0%
13	Responsible for developing and marketing products that have been produced and tested for suitability	Develop and market products that have been produced and tested for suitability	Criteria: The length of time for achieving BEP on a product	Presentation and sales process 3 X 50			0%
14	Responsible for developing and marketing products that have been produced and tested for suitability	Develop and market products that have been produced and tested for suitability	Criteria: The length of time for achieving BEP on a product	Presentation and sales process 3 X 50			0%

15	Responsible for developing and marketing products that have been produced and tested for suitability	Develop and market products that have been produced and tested for suitability	Criteria: The length of time for achieving BEP on a product	Presentation and sales process 3 X 50			0%
16							0%

Evaluation Percentage Recap: Case Study

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.
- 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.