



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

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight	SEMESTER	Compilation Date																																
Crops	8420502300		T=2 P=0 ECTS=3.18	7	July 18, 2024																																
AUTHORIZATION	SP Developer		Course Cluster Coordinator		Study Program Coordinator																																
		Dr. Rinie Pratiwi Puspitawati, M.Si.																																
Learning model	Case Studies																																				
Program Learning Outcomes (PLO)	PLO study program that is charged to the course																																				
	Program Objectives (PO)																																				
	PLO-PO Matrix																																				
		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 100px; height: 30px;">P.O</td> </tr> </table>					P.O																														
P.O																																					
Short Course Description	This course develops plant cultivation abilities and skills through lectures on land preparation/growing media, planting, seed selection, maintenance, controlling pests, diseases and weeds, harvesting and post-harvest for food crops, as well as processing of cultivated plants.																																				
	<table border="1" style="width: 100%; text-align: center;"> <tr> <td rowspan="2" style="width: 30px;">P.O</td> <td colspan="16">Week</td> </tr> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td> </tr> </table>					P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
P.O	Week																																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16																					
References	Main :																																				
	Supporters:																																				
Supporting lecturer Sari Kusuma Dewi, S.Si., 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	Understanding the meaning and scope of food crops, benefits and potential of food crops	Explain the meaning and scope of food crops, the benefits and potential of food crops	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	Discussion, presentation 2 X 50			0%
2	Understanding How to Cultivate Food Plants	Explaining How to Cultivate Food Plants	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% USS a weight of 20% 2. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 3. UAS weight 30% 4. Essay questions are accessed together on USS 5. Performance questions are integrated during learning	Presentation and discussion 2 X 50			0%
3	Understanding How to Cultivate Food Plants	Explaining How to Cultivate Food Plants	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% USS a weight of 20% 2. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 3. UAS weight 30% 4. Essay questions are accessed together on USS 5. Performance questions are integrated during learning	Presentation and discussion 2 X 50			0%

4	Understand about seeds and seedlings	Explaining Seeds and Seedlings	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	Presentation, discussion 2 X 50			0%
5	Understand the mechanisms of plant propagation	Explain the mechanism of plant propagation	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	Presentation, discussion 2 X 50			0%
6	Understanding Fertilizer and Fertilization	Explaining Fertilizer and Fertilization	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	Presentation, discussion, practice 2 X 50			0%

7	Understanding Fertilizer and Fertilization	Explaining Fertilizer and Fertilization	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	Presentation, discussion, practice 2 X 50			0%
8	UTS	UTS	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	2 X 50			0%
9	Understanding the Role of Climate in Plant Cultivation	Explaining the Role of Climate in Plant Cultivation	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	Presentation and discussion 2 X 50			0%

10	Understanding Pest, Disease, and Weed Control	Explaining Pest, Disease and Weed Control	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	Presentation and discussion 2 X 50			0%
11	Understanding Harvest and Post-Harvest	Explaining Harvest and Post-Harvest	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	Presentation and discussion 2 X 50			0%
12	Create a modeling design for the cultivation of protected/rare food source plants	Create a modeling design for the cultivation of protected/rare food source plants	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	2 X 50			0%

13	Create a modeling design for the cultivation of protected/rare food source plants	Create a modeling design for the cultivation of protected/rare food source plants	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	2 X 50			0%
14	Create a modeling design for the cultivation of protected/rare food source plants	Create a modeling design for the cultivation of protected/rare food source plants	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	2 X 50			0%
15	Create a modeling design for the cultivation of protected/rare food source plants	Create a modeling design for the cultivation of protected/rare food source plants	Criteria: 1. Practical reports and products are assessed as assignments with a weight of 30% 2. USS weight 20% 3. Student activities and responses during learning activities, especially practicums, are assessed as participation, with a weight of 20% 4. UAS weight 30% 5. Essay questions are accessed together on USS 6. Performance questions are integrated during learning	2 X 50			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.