



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												
Development of Creative Learning Media	8420402224	Study Program Elective Courses	T=2 P=0 ECTS=3.18	5	July 1, 2022												
AUTHORIZATION	SP Developer		Course Cluster Coordinator	Study Program Coordinator													
	Dian Novita, ST., M.Pd. dan Bertha Yonata, S.Pd., M.Pd.		Dr. Sukarmin, M.Pd.	Prof. Dr. Utiya Azizah, M.Pd.													
Learning model	Project Based Learning																
Program Learning Outcomes (PLO)	PLO study program which is charged to the course																
	PLO-5	Able to make decisions based on data/information in order to complete tasks that are their responsibility and evaluate performance that has been carried out both individually and in groups, has an entrepreneurial spirit with an environmental perspective (CPL 7)															
	PLO-7	Applying logical, critical, systematic and innovative thinking in the context of the development or implementation of science, technology and art that pays attention to and applies humanities values appropriate to the field of chemistry education in solving problems (CPL 5)															
	PLO-10	Able to design, implement, evaluate, learn and develop chemistry learning media by utilizing Information and Communication Technology (CPL 4)															
	PLO-12	Able to demonstrate chemical pedagogical knowledge about designing, implementing and evaluating chemistry learning (CPL 2)															
	Program Objectives (PO)																
	PO - 1	Have the ability to determine creative learning media that is appropriate to the chemical material and student characteristics															
	PO - 2	Have the ability to design and create creative learning media prototypes as learning media in accordance with ecopreneurship															
	PO - 3	Make decisions in selecting and presenting creative learning media in chemistry lessons in accordance with ecopreneurship															
	PO - 4	Have a responsible attitude in selecting and presenting creative learning media in chemistry lessons in accordance with ecocommitment															
	PLO-PO Matrix																
			P.O	PLO-5	PLO-7	PLO-10	PLO-12										
		PO-1															
		PO-2															
		PO-3															
	PO-4																
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
	PO-1																
	PO-2																
	PO-3																
	PO-4																
Short Course Description	Study of media selection, learning design and presentation of creative learning media in chemistry learning through discussion and practice																
References	Main :																

1. Fenrich, P.1997. Practical Guidelines For Creating Instructional Multimedia Application. USA:Harcourt Brace College Publisher
2. Heinich, R., Molenda.1999.Instructional Media and Technologies for Learning.USA: Prentice Hall.
3. Indriana, Dina. 2011.Ragam Alat Bantu Media Pengajaran. Yogyakarta: DIVA Press
4. Sadiman. 2009.Media Pendidikan. Jakarta

Supporters:

Supporting lecturer Dian Novita, S.T., M.Pd.
Bertha Yonata, 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	Have the ability to determine chemical material presented with creative learning media.	Can carry out material analysis adapted to creative learning media	Criteria: Participation, assignments Form of Assessment : Participatory Activities	Presentation, discussion. 2 X 50		Material: Introduction Bibliography: Fenrich, P. 1997. Practical Guidelines For Developing Instructional Multimedia Applications. USA:Harcourt Brace College Publishers	5%
2	Have the ability to determine chemical material presented with creative learning media.	Can carry out material analysis adapted to creative learning media	Criteria: Participation, assignments Form of Assessment : Participatory Activities	Presentation, discussion. 2 X 50		Material: Introduction Bibliography: Heinich, R., Molenda.1999.Instructional Media and Technologies for Learning.USA: Prentice Hall.	5%
3	Identifying student characteristics that are suitable for creative learning media as a chemistry learning medium	Can carry out student analysis in accordance with creative learning media	Criteria: Participation, assignments Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Assignments and presentations. 2 X 50		Material: student analysis Library: Sadiman. 2009. Educational Media. Jakarta	5%
4	Identifying student characteristics that are suitable for creative learning media as a chemistry learning medium	Can carry out student analysis in accordance with creative learning media	Criteria: Participation, assignments Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Assignments and presentations. 2 X 50		Material: student characteristics Reference: Sadiman. 2009. Educational Media. Jakarta	5%
5	Designing creative learning media story boards	Can develop storyboards	Criteria: Participation, assignments Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Discussion and practice 2 X 50		Material: Designing a story board Reference: Fenrich, P. 1997. Practical Guidelines For Developing Instructional Multimedia Applications. USA:Harcourt Brace College Publishers	5%
6	Designing creative learning media story boards	Can develop storyboards	Criteria: Participation, assignments Form of Assessment : Participatory Activities	Discussion and practice 2 X 50		Material: Designing a story board References: Heinich, R., Molenda. 1999. Instructional Media and Technologies for Learning. USA: Prentice Hall.	5%
7	Designing creative learning media story boards	Can develop storyboards	Criteria: Participation, assignments Form of Assessment : Project Results Assessment / Product Assessment	Discussion and practice 2 X 50		Material: Designing a story board Reader: Sadiman. 2009. Educational Media. Jakarta	5%

8	Covers meetings 1-7	Covers meetings 1-7	Criteria: UTS Form of Assessment : Test	Written test 2 X 50			10%
9	Developing creative learning media	Produce creative learning media	Criteria: Participation, assignments Form of Assessment : Project Results Assessment / Product Assessment	Discussion, consultation and practice 2 X 50		Material: creative learning media Library: <i>Sadiman. 2009. Educational Media. Jakarta</i>	5%
10	Developing creative learning media	Produce creative learning media	Criteria: Participation, assignments Form of Assessment : Project Results Assessment / Product Assessment	Discussion, consultation and practice 2 X 50		Material: creative learning media Library: <i>Sadiman. 2009. Educational Media. Jakarta</i>	5%
11	Developing creative learning media	Produce creative learning media	Criteria: Participation, assignments Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Discussion, consultation and practice 2 X 50		Material: creative learning media Library: <i>Sadiman. 2009. Educational Media. Jakarta</i>	5%
12	Developing creative learning media	Produce creative learning media	Criteria: Participation, assignments Form of Assessment : Project Results Assessment / Product Assessment	Discussion, consultation and practice 2 X 50		Material: creative learning media Library: <i>Sadiman. 2009. Educational Media. Jakarta</i>	5%
13	Presenting creative learning media	Presenting creative learning media	Criteria: Task participation Form of Assessment : Project Results Assessment / Product Assessment	Creative Media Development 2 X 50		Material: creative learning media Library: <i>Sadiman. 2009. Educational Media. Jakarta</i>	5%
14	Presenting creative learning media	Presenting creative learning media	Criteria: Participation, assignments Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Creative Media Development 2 X 50		Material: creative learning media Library: <i>Sadiman. 2009. Educational Media. Jakarta</i>	10%
15	Presenting creative learning media	Presenting creative learning media	Criteria: Participation, assignments Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	Creative Media Development 2 X 50		Material: creative learning media Library: <i>Sadiman. 2009. Educational Media. Jakarta</i>	10%
16	Covers meetings 9-15	Covers meetings 9-15	Criteria: UAS Form of Assessment : Test	Written test 2 X 50			10%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	35%
2.	Project Results Assessment / Product Assessment	45%
3.	Test	20%
		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** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities 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.