



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

SEMESTER LEARNING PLAN

Development of Creative Learning Media AUTHORIZATION SP Developer Course Cluster Coordinator Dian Novira, ST, M.Pd. dan Berrha Vonata, S.Pd. M.Pd. Dian Novira, ST, M.Pd. dan Berrha Vonata, S.Pd. M.Pd. Dian Novira, ST, M.Pd. dan Berrha Vonata, S.Pd. M.Pd. Prof. Dr. Uhiya Azizah, M.Pd. Prof. Dr. Uhiya A				31				K L		KIN	IIIV	<i>3</i> P	LA	IV						
AUTHORIZATION SP Developer Course Cluster Coordinator Study Program Coordinator Virial Novits ST, M Pd, den Bertha Vonsia, S Pd, M Pd. Project Based Learning model Project Based Learning Outcomes PLO5 Able to make decisions based on data/information in order to complete tasks that are their responsibility and evaluates perspective (CPL 7) PLO7 Applying logical, critical systematic and innovative thinking in the cortex of the development or implementation of secretic section-logy within an environmental perspective (CPL 7) PLO7 Applying logical, critical systematic and innovative thinking in the cortex of the development or implementation of secretic section-logy within an environmental perspective (CPL 7) PLO-10 Applying logical, critical systematic and innovative thinking in the cortex of the development or implementation of secretic section-logy within an environmental perspective (CPL 7) PLO-12 Applying logical, critical systematic and innovative thinking in the cortex of the development or implementation of secretic section-logy with a control of the development of implementation of secretic section-logy with a control of the development or implementation of secretic section-logy with a control of the development or implementation of secretic section-logy (CPL 4) PLO-10 Able to design, implementing and evaluating chemistry learning (CPL 2) Program Objectives (PD) PO-1 Have the ability to design and presenting creative learning media in chemistry leasning media in accordance with ecoprementation PO-3 Make decisions in selecting and presenting creative learning media in chemistry leasning in accordance with ecoprementation PO-4 Have a responsible attaude in selecting and presenting creative learning media in chemistry leasning in accordance with ecoprementation PO-3 PO-4 PO-1 PO-2 PO-1 PO-1 PO-2 PO-1 PO-1 PO-2 PO-3 Sudy of media selection, learning design and presentation of creative learning media in chemistry learning through discussion and practice Course PO-1 PO-2	Courses			CODE		Course Family		ily	Credit Weight		SEM	ESTEF	₹	Cor	npilati	on Date				
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	References	Main :																		

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

Supporters:

Supporting lecturer

Dian Novita, S.T., M.Pd. Bertha Yonata, S.Pd., M.Pd.

lecturer	Bertha Yonata, S	5.Pa., M.Pa.		1			1	
Week-	Final abilities of each learning stage	Ev	valuation	Learr Studen	p Learning, ing methods, t Assignments, timated time]	Learning materials [References]	Assessment Weight (%)	
	(Sub-PO)	Indicator	Criteria & Form	Offline (offline)	Online (online)		3 ()	
(1)	(2) (3)		(4)	(5)	(6)	(7)	(8)	
1	1 Have the ability to determine chemical material presented with creative learning media. Can cout may adapte 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 materia 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 studen analysis in accordanc 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 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	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%	

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8	Covers meetings 1-7	Covers meetings 1- 7	Criteria: UTS Form of Assessment :	Written test 2 X 50		10%
9	Developing creative learning media	Produce creative learning media	Test Criteria: Participation, assignments Form of Assessment: Project Results Assessment / Product Assessment	Discussion, consultation and practice 2 X 50	Material: creative learning media Library: Sadiman. 2009. Educational Media. Jakarta	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: Sadiman. 2009. Educational Media. Jakarta	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: Sadiman. 2009. Educational Media. Jakarta	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: Sadiman. 2009. Educational Media. Jakarta	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: Sadiman. 2009. Educational Media. Jakarta	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: Sadiman. 2009. Educational Media. Jakarta	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: Sadiman. 2009. Educational Media. Jakarta	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

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1	1.	Participatory Activities	35%					
2	2.	Project Results Assessment / Product Assessment	45%					
3	3.	Test	20%					
			100%					

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.
- 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.
- 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.