	Universitas Negeri Surabaya **Faculty of Engineering** **, Information Technology Education Undergraduate Study Program**	**Document Code**

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Multimedia	8320702114	Compulsory Study Program Subjects	**T=2**	**P=0**	**ECTS=3.18**	2	July 17, 2024

AUTHORIZATION	SP Developer	Course Cluster Coordinator	Study Program Coordinator
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Learning model	**Project Based Learning**	
Program Learning Outcomes (PLO)	**PLO study program which is charged to the course**	
	PLO-8	Mastering the concepts and implementation in developing software engineering, games, intelligent multimedia, and network computer engineering.
	PLO-13	Able to develop innovative educational products or learning resources using scientific design-based strategies to support teaching activities that can be integrated with ICT.
	Program Objectives (PO)	
	PO - 1	Students master the concept, planning, application and use of audio-visual media technology in learning
	PLO-PO Matrix	

P.O	PLO-8	PLO-13
PO-1		

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																

Short Course Description	Review of theory and mastery of skills regarding audio-visual media, basic photography, making posters and infographics, audiography and videography
References	**Main :**

1. Clark, Ruth Colvin, 2013. Scenario-Based e-Learning, Evidence-Based Guidelines for Online Workforce Learning. Pfeiffer Publisher.
2. Mayer, Richard E. 2003. Multimedia Learning, Cambridge University Press
3. Rahayu, Nanik Sri, 2013. Desain Multimedia 1, untuk SMK/MAK Kelas XI Kementerian Pendidikan dan Kebudayaan BSE
4. Rahayu, Nanik Sri, 2013. Desain Multimedia 2, untuk SMK/MAK Kelas XI Kementerian Pendidikan dan Kebudayaan BSE
5. Wibawa, Setya Chendra. 2016. Pengembangan Media Pembelejaran Berbasis Multimedia, non cetak
6. Kominfo. 2018. Kiat Bikin Infografis Keren dan Berkualitas Baik. Kementerian Komunikasi dan Informatika Republik Indonesia

Supporters:	
Supporting lecturer	Drs. Bambang Sujatmiko, M.T. Ramadhan Cakra Wibawa, S.Pd., M.Kom.

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	Students are able to briefly analyze audio-visual media	1. Briefly analyze the meaning of media 2. Briefly analyze the meaning of audio media 3. Briefly analyze the meaning of visual media 4. Briefly analyze the meaning of audio-visual media	**Form of Assessment** : Participatory Activities, Tests	Presentation, group discussion and reflection 2 X 50	Presentations, group discussions and reflections with Zoom/Gmeet 2 X 50	**Material:** Basic Concepts of Audio Visual Media **Reference:** *Mayer, Richard E. 2003. Multimedia Learning, Cambridge University Press*	5%
2	Students are able to explain technology and media history	1. Explain the history of the development of media technology. 2. Categorize types of media for learning. 3. Mention inventors and figures who contributed to the development of media technology.	**Form of Assessment** : Participatory Activities, Tests	Presentation, group discussion and reflection 2 X 50	Presentations, group discussions and reflections with Zoom/Gmeet 2 X 50	**Material:** History of Media Development **Library:** *Mayer, Richard E. 2003. Multimedia Learning, Cambridge University Press*	5%
3	Students are able to explain Basic Photography	1. Explain the basic concepts of photography 2. Identify the meaning of Diaphragm, Speed, ISO 3. Implement Diaphragm, speed and ISO functions	**Form of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment	Presentations, group discussions and reflections Demonstrating photographic equipment, operating 2 X 50 photographic equipment	Presentation, group discussion 2 x 50	**Material:** Basics of photography **Reference:** *Rahayu, Nanik Sri, 2013. Multimedia Design 1, for SMK/MAK Class XI Ministry of Education and Culture BSE*	6%
4	Students are able to apply basic photography skills	1. Explain the basic concepts of photography 2. Identify the meaning of Diaphragm, Speed, ISO 3. Implement Diaphragm, speed and ISO functions	**Forms of Assessment** : Project Results Assessment / Product Assessment, Practical Assessment	Presentations, group discussions and reflections Demonstrating photographic equipment, operating 2 X 50 photographic equipment	Presentation, group discussion 2 x 50	**Material:** Basics of photography **Reference:** *Rahayu, Nanik Sri, 2013. Multimedia Design 1, for SMK/MAK Class XI Ministry of Education and Culture BSE*	8%
5	Students are able to explain audiography technology	Explains formats and types of audio media, audio characteristics and quality, audiography supporting hardware, types of microphones, shotguns, special microphones	**Form of Assessment** : Participatory Activities, Tests	Presentation, group discussion and reflection 2 X 50	Presentations, group discussions and reflections with zoom/meet 2 X 50	**Material:** Basic Concepts of Audiography Technology **Reference:** *Rahayu, Nanik Sri, 2013. Multimedia Design 1, for SMK/MAK Class XI Ministry of Education and Culture BSE*	7%

6	Students are able to apply audiographic technology	Implement offline recording and live recording with the help of hardware	**Form of Assessment** : Project Results Assessment / Product Assessment	Presentation, group discussion and reflection 2 X 50	Presentations, group discussions and reflections with zoom/meet 2 X 50	**Material:** Basic Concepts of Audiography Technology **Reference:** *Rahayu, Nanik Sri, 2013. Multimedia Design 1, for SMK/MAK Class XI Ministry of Education and Culture BSE*	8%
7	Students are able to apply audio effects technology	1. Explanation of digital editing and mastering, application of single and multitrack tracks, sound art, special effects 2. Audio signal processing for theater as well as audio design and production	**Form of Assessment** : Project Results Assessment / Product Assessment	Presentation, group discussion and reflection 2 X 50		**Material:** Basic Concepts of Audiography Technology **Reference:** *Rahayu, Nanik Sri, 2013. Multimedia Design 2, for SMK/MAK Class XI Ministry of Education and Culture BSE*	8%
8	UTS		**Form of Assessment** : Test	2 X 50			0%
9	Students are able to analyze a poster	1. Analyze the content of a poster 2. Make a poster	**Form of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment	Presentation, group discussion and reflection 2 X 50	Presentation, group discussion and reflection 2 X 50	**Material:** Basic Concepts for Making Posters **Library:** *Wibawa, Setya Chendra. 2016. Development of Multimedia-Based Learning Media, non-print*	5%
10	Students are able to make a poster	1. Analyze the content of a poster 2. Make a poster	**Form of Assessment** : Project Results Assessment / Product Assessment	Presentation, group discussion and reflection 2 X 50	Presentation, group discussion and reflection 2 X 50	**Material:** Basic Concepts for Making Posters **Library:** *Wibawa, Setya Chendra. 2016. Development of Multimedia-Based Learning Media, non-print*	8%
11	Students are able to create an infographic	1. Explain the basic concept of infographics 2. Designing infographic designs	**Form of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment	Presentation, group discussion and reflection 2 X 50	Presentation, group discussion and reflection 2 X 50	**Material:** Basic Concepts of Infographics **Library:** *Kominfo. 2018. Tips for Making Cool, Good Quality Infographics. Ministry of Communication and Information of the Republic of Indonesia*	7%

12	Students are able to create an infographic	1. Explain the basic concept of infographics 2. Create an infographic	**Forms of Assessment** : Project Results Assessment / Product Assessment, Practical Assessment	Presentation, group discussion and reflection 2 X 50	Presentation, group discussion and reflection 2 X 50	**Material:** Basic Concepts of Infographics **Library:** *Kominfo. 2018. Tips for Making Cool, Good Quality Infographics. Ministry of Communication and Information of the Republic of Indonesia*	8%
13	Students are able to analyze videography	1. Explains the basics of the video 2. Analyze the types of video, audio and image formats	**Forms of Assessment** : Participatory Activities, Project Results Assessment / Product Assessment, Tests	Presentation, group discussion and reflection 2 X 50	Presentation, group discussion and reflection 2 X 50	**Material:** Videography Techniques **Literature:** *Wibawa, Setya Chendra. 2016. Development of Multimedia-Based Learning Media, non-print*	7%
14	Students are able to analyze videography	Explains video shooting techniques	**Form of Assessment** : Project Results Assessment / Product Assessment	Presentation, group discussion and reflection 2 X 50	Presentation, group discussion and reflection 2 X 50	**Material:** Videography Techniques **Literature:** *Wibawa, Setya Chendra. 2016. Development of Multimedia-Based Learning Media, non-print*	7%
15	Students are able to make a learning video	Able to apply video editing techniques	**Form of Assessment** : Project Results Assessment / Product Assessment	Presentation, group discussion and reflection 2 X 50	Presentation, group discussion and reflection 2 X 50	**Material:** Videography Techniques **Literature:** *Wibawa, Setya Chendra. 2016. Development of Multimedia-Based Learning Media, non-print*	10%
16	UAS		**Form of Assessment** : Project Results Assessment / Product Assessment	2 X 50	2 X 50		2%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	19.83%
2.	Project Results Assessment / Product Assessment	62.33%
3.	Practical Assessment	8%
4.	Test	10.83%
		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.