

## Universitas Negeri Surabaya Faculty of Postgraduate School

Document Code

UNES		Master	of T	echnol	ogy and \	osigrad /ocation	al Edu	cation	Study Pr	ogram	
				SE	MESTER	R LEAR	NING	PLAN			
Courses				CODE	C	Course Famil	у	Credit W	eight	SEMESTER	Compilation Date
Audio an	d Vi	deo Engineerin	g	831010303	9			T=3 P=0	ECTS=6.72	2	July 17, 2024
AUTHOR	IZAT	TON		SP Develop	per		Course	Cluster Co	oordinator	Study Progra Coordinator	am
											nmad Imam J, M.Pd.
Learning model		Project Based	Learr	ning							
Program Learning		PLO study program that is charged to the course									
Outcome (PLO)		Program Objectives (PO)									
(1 20)		PLO-PO Matr	ix								
				P.O							
		PO Matrix at the end of each learning stage (Sub-PO)									
Short			develo		2 3 4		8 9				15 16
Course Descript	tion	applications in	vocatio	onai educatio	on and everyday	ше					
Reference	ces	Main :									
		Sons, W. 200 Yaffa .	Inc Au )1. Fur 2001	sterberry Da ndamentals o The Fourth	ichael & Pickerin vid. 2005. The T of Digital Televisi State of Matter fier Design Hand	echnology of ion Transmiss An Introductio	Video and A ion. New Yo n to Plasma	Audio Strea ork: John W a Science S	ming. Second filey & Sons, In Second Edition.	Edition. Collins c. Eliezer, Sha	s, PE & Gerald Ilom & Eliezer,
		Supporters:									
Supporti lecturer	ing	Dr. Agus Budi S Dr. Meini Sond			.Pd.						
Week- ead sta		inal abilities of ach learning tage		Evaluation			Learn Student	Learning ing method t Assignme imated tim	ds, ents,	Learning materials [ References	Assessment Weight (%)
	(Su	ub-PO)		ndicator	Criteria & Fo	orm Offlin	e ( offline )	Onlin	e ( online )	]	
(1)		(2)		(3)	(4)		(5)		(6)	(7)	(8)
1	l Ar	nalyzing	1. ir	nformation	Criteria:	Const	ructivist	1		l	0%

Week- Final abilities each learning stage		Eva	lluation	Learnii Student	Learning, ng methods, Assignments, mated time]	Learning materials [	Assessment Weight (%)
	(Sub-PO)	Indicator	Criteria & Form	Offline ( offline )	Online ( online )	]	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Analyzing information systems	1. information system 2. system characteristics 3. development of information systems	Criteria: According to the assessment rubric	Constructivist and 3 X 50 discussion			0%

2	Explains composite video signals	1. Parts 2. Function	Criteria: According to the assessment rubric	Approach: PAIKEM Model: cooperative 3 X 50		0%
3	Formation of audio signals	Identify: 1. frequency 2. Signal shape3. modulation system	Criteria: According to the assessment rubric	Approach: Constructivist 3 X 50		0%
4	Identify the size of the audio signal	1. Discuss how to measure the size of an audio signal2. Analyze the implementation of audio signals	Criteria: Ability to answer and depth of insight	Discussion and sharing 3 X 50		0%
5	Identify Audio technology	Analyze the differences between digital and analog audio technology Demonstrate the digital audio recording process	Criteria: Assessments are carried out on aspects of participation, assignments, UTS and UAS	Independent workPresentation 3 X 50		0%
6	Identifying audio technology Identifying car audio systems	Identifying systems 1. compact disc 2. digital audio3. FM and AM audio system	Criteria: Assessments are carried out on aspects of participation, assignments, and UTS and UAS	Assignments and presentations 3 X 50		0%
7	Analysis of the development of modern audio engineering and HiFi	Identify: 1. development trends 2. amplifiers3. control system	Criteria: Criteria according to performance assessment guidelines and rubrics	Independent work and presentation 3 X 50		0%
8	Carry out UTS	Make studies about audio or video	Criteria: Product assessment criteria and rubric	independent work 3 X 50		0%
9	Video signal formation	1. Identify the signal formation process 2. Analyze the parts 3. Explain the function	Criteria: In accordance with product assessment guidelines and performance assessment rubrics	Independent work and presentation 3 X 50		0%
10	Identify video signals	Identify: 1. frequency 2. bandwidth3. modulation system	Criteria: Performance assessment criteria and product assessment according to guidelines and rubrics	Independent work and presentation 3 X 50		0%
11						0%
12						0%
13						0%
14						0%
15						0%
16						0%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage	
		0%	

- 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** 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.
- 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.
- 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.