



**Universitas Negeri Surabaya**  
**Faculty of Education,**  
**Educational Technology Undergraduate Study Program**

Document Code

**SEMESTER LEARNING PLAN**

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date
Audio/radio media development	8620304079	Compulsory Study Program Subjects	T=2	P=2	ECTS=6.36	3	April 15, 2022
AUTHORIZATION	SP Developer		Course Cluster Coordinator			Study Program Coordinator	
	Khusnul Khotimah, S.Pd, M.Pd		Dr. Alim Sumarno, M.Pd			Dr. Utari Dewi, S.Sn., M.Pd.	

**Learning model** Project Based Learning

**Program Learning Outcomes (PLO)** PLO study program which is charged to the course

<b>PLO-1</b>	Able to demonstrate religious, national and cultural values, as well as academic ethics in carrying out their duties
<b>PLO-9</b>	Able to produce creative products in the field of educational technology that are educational and market them to the user community

**Program Objectives (PO)**

<b>PO - 1</b>	Able to apply a scientific, critical and innovative attitude in discussing the development of audio/radio media.
<b>PO - 2</b>	Able to carry out analysis and develop audio/radio media.
<b>PO - 3</b>	Have the ability to utilize technology and information in solving problems in the field of educational technology and inclusive education based on digital technology and local wisdom
<b>PO - 4</b>	Have the ability to utilize technology and information in solving problems in the field of educational technology and inclusive education based on digital technology and local wisdom

**PLO-PO Matrix**

		P.O	PLO-1	PLO-9
		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** This course discusses the meaning, characteristics, classification of audio media, audio program formats, organizing production personnel, introduction and use of recording studios and equipment, steps in preparing a design which includes determining ideas, formulating objectives, formulating main material, developing treatment, writing scripts and production of audio and broadcast media for learning purposes through scientific learning. Lectures are carried out using blended learning. The assessment is carried out by means of question and answer and in writing.

**References** Main :

1. Mahadevan, A., Freeman, J., Magerko, B., & Martinez, J. C. 2015. EarSketch: Teaching computational music remixing in an online Web Audio based learning environment. In Web Audio Conference.
2. Abril, C. 2011. Music, movement, and learning. In MENC Handbook of Research on Music Learning: Applications . Oxford University Press.
3. Hallam, S., Cross, I., & Thaut, M. (Eds.). 2011. Oxford handbook of music psychology. Oxford University Press.
4. Hand, R. J., & Traynor, M. 2011. The radio drama handbook: Audio drama in context and practice. A&C Black.
5. Smaldino, S. E., Lowther, D. L., Russell, J. D., & Mims, C. 2008. Instructional technology and media for learning. Boston: Pearson Education, Inc
6. Sulistiowati, dkk. 2020. Handout Pengembangan media audio/radio. Surabaya: Teknologi Pendidikan, Fakultas Ilmu Pendidikan Unesa
7. Edward, George. 2010. The Program Side of Radio . Jakarta: Yayasan Penerbit UI.
8. Morissan. 2010. Manajemen Media Penyiaran Strategi Mengelola Radio dan Televisi . Jakarta: Prenada Media
9. Prayudha H. Harley & Andy Rustam 2013. Radio Is Sound Only, Pengantar dan Prinsip Penyiaran Radio di Era Digital . Jakarta: Broadcast Maga Publisher

**Supporters:**

1. Romli, Asep Syamsul M. 2010. Dasar-Dasar Siaran Radio: Basic Announcing. Bandung: Nuansa Bandung
2. Terrace, Vincet. 2011. Radio Program Opening and Closing. London: McFarland & Company, Inc
3. Triartanto, A. Yudo. 2010. Broadcasting Radio Teori dan Praktek. Yogyakarta: Pustaka Book Publisher

**Supporting lecturer**

Dra. Sulistiowati, M.Pd.  
 Dr. H. Andi Mariono, M.Pd.  
 Dr. Alim Sumarno, M.Pd.  
 Khusnul Khotimah, S.Pd., M.Pd.  
 Dr. Syaiputra Wahyuda Meisa Diningrat, 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	Ability to understand the development of audio/radio media in the learning technology area	Able to describe the meaning of audio media development and its position in the learning technology area	<b>Criteria:</b> A : 85-100A- : 80-84B : 75-79B : 70-74B- : 65-69C : 60-64  <b>Form of Assessment :</b> Test	Problem-based Learning 4 X 50		<b>Material:</b> audio/radio media in the learning technology area <b>References:</b> <i>Mahadevan, A., Freeman, J., Magerko, B., &amp; Martinez, JC 2015. EarSketch: Teaching computational music remixing in an online Web Audio based learning environment. In Web Audio Conference.</i>	3%
2	Understanding of the advantages and limitations of audio media as a learning medium	Students are able to identify the advantages and limitations of audio media as a learning medium	<b>Criteria:</b> A : 85-100A- : 80-84B : 75-79B : 70-74B- : 65-69C : 60-64  <b>Form of Assessment :</b> Participatory Activities, Tests	Problem Based Learning 4 X 50		<b>Material:</b> advantages and limitations of audio media as a learning medium <b>Reference:</b> <i>Abril, C. 2011. Music, movement, and learning. In MENC Handbook of Research on Music Learning: Applications . Oxford University Press.</i>	3%

3	Understanding of Different types of audio program broadcasts	<ol style="list-style-type: none"> <li>1. Able to distinguish between types of entertainment and non-entertainment programs</li> <li>2. Able to identify the types and characteristics of music entertainment programs.</li> <li>3. Able to identify types of non-musical entertainment programs and their characteristics</li> <li>4. Able to identify types of non-entertainment programs and their respective characteristics</li> </ol>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Problem-based Learning 4 X 50		<p><b>Material:</b> types of audio program broadcasts</p> <p><b>References:</b> <i>Hallam, S., Cross, I., &amp; Thaut, M. (Eds.). 2011. Oxford handbook of music psychology. Oxford University Press.</i></p>	3%
4	Understanding of various types of audio program broadcasts	<ol style="list-style-type: none"> <li>1. Able to identify types of non-musical entertainment programs and their characteristics</li> <li>2. Able to identify types of non-entertainment programs and their respective characteristics</li> </ol>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Project-based Learning 4 X 50		<p><b>Material:</b> types of audio program broadcasts</p> <p><b>References:</b> <i>Hand, R.J. &amp; Traynor, M. 2011. The radio drama handbook: Audio drama in context and practice. A&amp;C Black.</i></p>	3%
5	Understanding of the basic concepts of writing audio scripts	<ol style="list-style-type: none"> <li>1. Be able to explain the differences between audio language and book language.</li> <li>2. Be able to explain the six principles of using audio language</li> <li>3. Able to provide example sentences by applying the principles of using audio language.</li> <li>4. Able to describe the function of music in audio programs.</li> <li>5. Able to describe the function of sound effects in audio programs.</li> <li>6. Able to describe various audio program presentation formats and able to choose the format according to the material in the script.</li> <li>7. Able to describe procedures for writing audio scripts.</li> <li>8. Able to explain radio engineering terminology and be able to apply it in script writing</li> </ol>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Project-based Learning 4 X 50		<p><b>Material:</b> Basic concepts of writing audio scripts</p> <p><b>References:</b> <i>Smaldino, SE, Lowther, DL, Russell, JD, &amp; Mims, C. 2008. Instructional technology and media for learning. Boston: Pearson Education, Inc</i></p>	3%

6	Understanding of the basic concepts of writing audio scripts	<ol style="list-style-type: none"> <li>1. Be able to explain the differences between audio language and book language.</li> <li>2. Be able to explain the six principles of using audio language</li> <li>3. Able to provide example sentences by applying the principles of using audio language.</li> <li>4. Able to describe the function of music in audio programs.</li> <li>5. Able to describe the function of sound effects in audio programs.</li> <li>6. Able to describe various audio program presentation formats and able to choose the format according to the material in the script.</li> <li>7. Able to describe procedures for writing audio scripts.</li> <li>8. Able to explain radio engineering terminology and be able to apply it in script writing</li> </ol>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities, Tests</p>	Project-based Learning 4 X 50		<p><b>Material:</b> Basic concepts of writing audio scripts <b>Reader:</b> <i>Sulistiwati, et al. 2020. Audio/radio media development handout. Surabaya: Educational Technology, Unesa Faculty of Education</i></p>	3%
7	Understanding of audio script development.	Able to develop educational or learning audio scripts.	<p><b>Criteria:</b> A : 85-100A- : 80-84B : 75-79B : 70-74B- : 65-69C : 60-64</p> <p><b>Form of Assessment :</b> Project Results Assessment / Product Assessment</p>	Project Based Learning 4 X 50		<p><b>Material:</b> educational or learning audio script <b>Library:</b> <i>Morissan. 2010. Broadcast Media Management Strategy for Managing Radio and Television. Jakarta: Prenada Media</i></p>	25%
8	Understanding of audio script development.	<ol style="list-style-type: none"> <li>1. Able to analyze target characteristics, develop ideas into: Formulating General Program Objectives, Specific Program Objectives, creating evaluation tools, determining presentation formats, developing main material/synopsis, creating an outline of program/treatment content.</li> <li>2. Able to develop educational or learning audio scripts.</li> </ol>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Project-Based Learning 4 X 50		<p><b>Material:</b> Basic concepts of writing audio scripts <b>Readers:</b> <i>Edward, George. 2010. The Program Side of Radio. Jakarta: UI Publishing Foundation.</i></p>	3%

9	Understanding of audio script development.	<p>1. Able to analyze target characteristics, develop ideas into: Formulating General Program Objectives, Specific Program Objectives, creating evaluation tools, determining presentation formats, developing main material/synopsis, creating an outline of program/treatment content.</p> <p>2. Able to develop educational or learning audio scripts.</p>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Project-Based Learning, 4 X 50		<p><b>Material:</b> basic concepts of writing audio scripts <b>Reference:</b> <i>Prayudha H. Harley &amp; Andy Rustam 2013. Radio Is Sound Only, Introduction and Principles of Radio Broadcasting in the Digital Era. Jakarta: Broadcast Maga Publisher</i></p>	3%
10	Understanding the duties and responsibilities of an audio producer/director. Understanding of the studio and production equipment.	<p>1. Able to explain the duties and responsibilities of an audio producer/director and be able to demonstrate audio director hand signals.</p> <p>2. Know and be able to describe the minimum standards for audio recording studios.</p> <p>3. Know and be able to use audio recording equipment according to its function.</p>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities</p>	Project-based Learning 4 X 50		<p><b>Material:</b> Duties and responsibilities of audio producer/director <b>Reference:</b> <i>Romli, Asep Syamsul M. 2010. Basics of Radio Broadcasting: Basic Announcing. Bandung: Bandung nuances</i></p>	3%
11	Understanding the duties and responsibilities of an audio producer/director. Understanding of the studio and production equipment.	<p>1. Able to explain the duties and responsibilities of an audio producer/director and be able to demonstrate audio director hand signals.</p> <p>2. Know and be able to describe the minimum standards for audio recording studios.</p> <p>3. Know and be able to use audio recording equipment according to its function.</p>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities, Tests</p>	Project-based Learning 4 X 50		<p><b>Material:</b> Duties and responsibilities of audio producer/director <b>Reader:</b> <i>Terrace, Vincet. 2011. Radio Program Opening and Closing. London: McFarland &amp; Company, Inc</i></p>	3%
12	Understanding and application of audio editing, preparation of accompanying materials	<p>1. Students are able to do audio editing</p> <p>2. Students are able to prepare accompanying materials</p>	<p><b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1</p> <p><b>Form of Assessment :</b> Participatory Activities, Tests</p>	Project Based Learning, Collaborative Learning 4 X 50		<p><b>Material:</b> Audio editing and accompanying materials <b>References:</b> <i>Triartanto, A. Yudo. 2010. Radio Broadcasting Theory and Practice. Yogyakarta: Pustaka Book Publisher</i></p>	5%

13	Understanding and application of preparation of accompanying materials	1.Students are able to do audio editing 2.Students are able to prepare accompanying materials	<b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1  <b>Form of Assessment :</b> Participatory Activities	Project Based Learning, Collaborative Learning 4 X 50		<b>Material:</b> audio editing and accompanying materials <b>References:</b> <i>Triartanto, A. Yudo. 2010. Radio Broadcasting Theory and Practice. Yogyakarta: Pustaka Book Publisher</i>	5%
14	Ability to package products appropriately	1.Students are able to do audio editing 2.Students are able to package products properly	<b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1  <b>Form of Assessment :</b> Participatory Activities	Project Based Learning, Collaborative Learning 4 X 50		<b>Material:</b> Proper product packaging <b>Library:</b> <i>Terrace, Vincet. 2011. Radio Program Opening and Closing. London: McFarland &amp; Company, Inc</i>	5%
15	Explains product development from script to product that is suitable for use as learning.	Students are able to package products creatively and innovatively	<b>Criteria:</b> all correct = 4 mostly correct = 3 slightly correct = 2 all incorrect = 1  <b>Form of Assessment :</b> Practice/Performance, Test	Project Based Learning, Collaborative Learning 4 X 50		<b>Material:</b> Proper product packaging <b>Library:</b> <i>Terrace, Vincet. 2011. Radio Program Opening and Closing. London: McFarland &amp; Company, Inc</i>	5%
16	UAS	Ability to develop audio/radio for learning media	<b>Criteria:</b> A : 85-100A- : 80-84B : 75-79B : 70-74B- : 65-69C : 60-64  <b>Form of Assessment :</b> Project Results Assessment / Product Assessment	Project Based Learning 4 X 50		<b>Material:</b> audio/radio for learning media <b>Library:</b> <i>Triartanto, A. Yudo. 2010. Radio Broadcasting Theory and Practice. Yogyakarta: Pustaka Book Publisher</i>	25%

#### Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	35%
2.	Project Results Assessment / Product Assessment	50%
3.	Practice / Performance	2.5%
4.	Test	12.5%
		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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 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%.
- TM=Face to face, PT=Structured assignments, BM=Independent study.

