

# **Audio Recording and Production Certificate**

## **PROGRAM LEARNING OUTCOMES**

The assessment of student learning outcomes is not only a key indicator of program effectiveness, it is also one of the standards of excellence identified by the Middle States Commission (Standard 5) and is required through the SUNY assessment initiative.

### **Current Program Learning Outcomes as stated in Catalog**

**Upon completion, students will:**

- Create a block diagram of a typical sound system to demonstrate an understanding of signal flow
- Demonstrate the use of audio recording and production equipment
- Demonstrate a working knowledge of the principles of digital audio recording
- Use digital recording software to record, mix, edit master and process audio
- Integrate digital recording and midi sequencing into one audio production
- Plan and execute a complete recording session including the final mix down
- Use critical listening skills to make appropriate audio production decisions
- Demonstrate understanding of the principles and application of electronic music in audio recording and production

CURRICULUM MAP								
COURSES IN THE MAJOR	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8
ARP 100	L,E (I, P, R)	L, E (I, P, R)						
ARP 101		E, L, PR (I, P, R)	E, L, PR (I, P, R)	E, L, PR (I, P, R)				
ARP 110		E, L, PR (I, P, R)	E, L, PR (I, P, R)	E, L, PR (I, P, R)				
ARP 130		E,L,PR (I, P, R)	E,L,PR (I, P, R)	E, L, PR (I, P, R)				
ARP/MUS 173								L, PR (I, P, R)
ARP 201				E, L, PR (I, P, R)			L, PR (I, P, R)	
ARP 210			L, PR	L, PR	L, PR	L, PR	L, PR (I, P, R)	
ARP 211				E, L, PR (I, P, R)			L, PR (I, P, R)	
ARP 212	I, PR, L, PO, (P, R)	(I, P, R)	(I, P, R)	(I, P, R)		(I, P, R)	(I, P, R)	(I, P, R)
MUS 102								E, L, (I)
MUS/THA 150		E, L, (I,P,R)						
MUS 190							E, L,P (I,P,R)	
MUS 191					E, L (I, P, R)		E, L, P (I, P, R)	

Assessment Key:

P=Paper

E=Exam

PO=Portfolio

O=Oral Presentation

L=Lab Assignment

PR=Project

I=Internship

Also indicate if the objective is introduced (I), Practiced (P), or Reinforced (R)

## STUDENT LEARNING OUTCOME RUBRIC

Student Learning Outcomes	Assessment Measure	Criterion			
		Does Not Meet Standard <i>Grade: F</i>	Approaches Standard <i>Grade range: D- to C-</i>	Meets Standard <i>Grade range: C to A-</i>	Exceeds Standard <i>Grade: A</i>
1. Create a block diagram of a typical sound system to demonstrate an understanding of signal flow	They create signal flow block diagrams using Microsoft office products, such as Word, that is emailed to instructor for review.	A wrong connection or flow direction is shown.	Missed connections of equipment are left out.	Has successful hooked up all components in correct order.	Has gone into great detail beyond simple images, shapes, and included real images down to the gender of connector. Highly detailed.
2. Demonstrate the use of audio recording and production equipment	Able to successfully setup all sound equipment and get audio signal out.	Does not know how to hookup sound equipment to get audio into system.	Able to hookup the equipment, but not clear why signal is not getting into system.	Able to setup the equipment and getting audio signal into system.	Has clearly demonstrated ability to setup equipment, get signal into the system and applied other components in the chain.
3. Demonstrate a working knowledge of the principles of digital audio recording	This is accomplished in ARP 101 through digital software.	Cannot open or create a basic digital recording setup via correct startup and shutdowns procedures.	Creates a session but is often stumbling through process and forgets where and how to save sessions.	Is able to create a session and use some of the features as in simple editing process.	As passed online assessment given by AVID under our administration of exam.

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4. Use digital recording software to record, mix, edit master and process audio	This is found in ARP 110. Sample songs are given and need to be rearranged edited mastered.	Unable to rearrange edit mix sample song.	Has some work done but missing parts in arrangement.	Has accomplished the edit master; may have some timing issues.	Has 100% completed restoration of song through editing mastering.
5. Integrate digital recording and midi sequencing into one audio production	This is MUS 191 taking the various music instruments and importing into ProTools.	Unable to get instrument into audio session to create sequencing.	Has gotten instrument connected correctly and is getting some information but not completely.	Able to show a sequence with the use of the instruments in ProTools.	Able to show a sequence with the use of the instruments in ProTools that could include midi control over other instruments.
6. Plan and execute a complete recording session including the final mix down	This is completed in ARP 210, 211, 212. Students are required to create a mix, both music band wise, video mixing replacement and in narration of storytelling with sound effects.	Has not accomplished any of the project recordings.	They have some material but a vast majority is not completed.	Have succeeded in recording the projects; submitted on time.	Goes beyond expectations in creating sound scape, mastering the use of effects plus.
7. Use critical listening skills to make appropriate audio production decisions	This is completed in MUS 190, ARP 210, 211, 212. Having developed the skill set to understand what goes	Unable to hear difference or understand why an instrument or recording may	Material are recorded but need further refinements as some items may	Has been able to create a mix of sounds but could benefit from more polishing.	Has used these skills to create a piece of work that has all the shuttle sounds

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	into making good sound recordings.	have been mixed this way.	not have the balance or may not have the correct effects used.		well balanced and mixed in a project.
<b>8.</b> Demonstrate understanding of the principles and application of electronic music in audio recording and production	This is completed in MUS 191 & ARP 212 classes. Demonstrate how electronic music works; the history of equipment, and applying it to projects in both classes.	Unable to get a keyboard or synthesizer into a recording and create any form of music.	The ability to get music into the recording project has many flaws and may not sound coherent in nature.	Creates a project with the application of electronic instruments.	Has mastered the instrument's capabilities in the creative project.