

ExplorNet's Digital Media I



Objective 104.02 3%

Describe digital audio production methods, software, and hardware.

Pre-Production

- Determine the overall purpose of the project.
- Define the intended target audience.
- Consult with the client and write a script that effectively conveys the intended message to the audience.
- Determine hardware:
 - Microphones
 - Audio Recording Device
- Determine software.



Audio Editing Software

- Captures audio from the original source and imports it into the editing software (Example: Adobe Audition, Audacity).
- Manipulates audio clips and adds the desired tracks and effects to convey the intended message.

Production

- Record audio from original source.
- Maintain audio levels throughout recording to ensure quality.
- Save recorded audio.

Post-Production

- Use an audio editing software to edit the recorded audio.
- Optimize the audio output file for specific client needs, including:
 - Primary use of audio clip
 - File size requirements
 - File format requirements

Audio Recording Terms

- Track
 - Separate layers of audio used to record sources individually.
- Volume Unit Meter
 - A visual representation of the audio volume level; used to ensure all audio clips recorded are at the same level.
- Master Level
 - Used to control the overall output volume of an audio recording.

Audio Recording Terms

- Audio Panning
 - When audio is recorded through separate channels (left or right).
- Over-modulation
 - Sound interference that occurs during recording when audio levels are too high and causes the signal to distort or lose clarity.

Audio Editing Terms

- Clip
 - A section of recorded sound used to create an audio production.
- Trim/Splice
 - Starting and stopping audio clips at a defined point in the recording.
- Adjusting Track Levels
 - Increasing or decreasing the volume of individual tracks to ensure all tracks are audible and blend well together.

Audio Editing Terms

- Fade**
 - Gradual change of volume used to change between clips of audio.
- Fade Up (In) and Fade Down (Out)**
 - Gradually increasing or decreasing the volume of an audio clip.
- Crossfade**
 - A gradual volume transition from one audio clip to another.

Audio Editing Terms

- Loop
 - Used to make a section of audio repeat.
- Audio Effects
 - Adjustments to clips used to change the original sound in order to reach the desired outcome.
- Background Audio
 - Music and/or sounds used to add interest and depth to an audio production.
- Voiceover
 - Voice used to convey a message to the audience.