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.

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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.