AUDI0 PRODUCTION – PRE-PRODUCTION
Course Syllabus

Course Number: RAPA-0785
OHLAP Credit: No
OCAS Code: None
Course Length: 45 Hours
Career Cluster: Arts, A/V Technology & Communications
Career Pathway: Audio & Video Technology
Career Major(s): Cinematography & Recording Arts Production Assistant

Pre-requisite(s):
The course covers an introduction to audio production.

Textbooks:
Modern Recording Techniques by David Miles Huber and Robert E. Runstein, Focal Press (2005)
Pro Tools, Version 8, DigiDesign (2009)

Course Objectives:

A. Define the Basic Functions of Pro Tools.
1. Exhibit knowledge of audio formats.¹
2. Identify system capabilities.
   a. Record
   b. Edit
   c. Mix
   d. Process and deliver audio
3. Discuss hard disk basics.
4. Define methods for understanding the Pro Tools file system.
   a. Session documents
   b. Audio files
   c. Audio regions

B. Demonstrate the Functions of Pro Tools.
1. Explore Navigation and Display basics.
2. Define recording modes and techniques, including setting levels.
3. List selection techniques for audio regions (precursor to basic editing).
4. Demonstrate importing and managing audio files.
5. Discuss MIDI.
6. Identify recording modes and techniques for various applications.
7. Discuss using sends and AUX inputs.
8. Discuss sampling.

C. Identify Production Procedures.
1. Identify the purpose of a metronome.
2. Demonstrate the use of a metronome in live recording.
3. Exhibit knowledge of the types of microphones, pick up patterns and techniques required for a variety of audio presentations.¹
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a. Types of microphones
b. Dynamic or condenser
c. Pickup patterns or directional response
d. Omni, cardioid, and directional
e. Describe the techniques to maximize sound performance.

4. Review microphone placement.
5. Perform microphone placement for live recording.

D. Identify and Prepare Audio Pre-Production Documentation Requirements.
   1. Discuss project proposal.
   2. Demonstrate studio scheduling request.
   3. Identify take sheet.

E. Record Raw Audio from Control Room.
   1. Record in order of take sheet.
   2. Record speech, music, and other sounds with camcorder or microphone.
   3. Regulate volume level and sound quality during recording sessions.
   4. Note and name tracks for ease of editing.

1ODCTE objective
All unmarked objectives are TTC instructor developed.

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and shop practice and performance.
   2. Each course must be passed with seventy (70%) percent or better.
   3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit: The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 2.0 or better.