<center>**COURSE SYLLABUS**</center>

LAST REVIEW	Fall 2022
COURSE TITLE	Audio for Video Production
COURSE NUMBER	MMVP 0180
DIVISION	Career and Technical Education
DEPARTMENT	MMVP
CIP CODE	24.0101
CREDIT HOURS	3
CREDIT HOUR BREAKDOWN	Class: 1 Lab: 4
PREREQUISITES	None
COREQUISITES	None

COURSE DESCRIPTION

The fundamentals of Audio for Digital Video Production will be studied including capture, formats and compression as well as non linear, non destructive editing with industry standard software, application of special effects and output.

PROGRAM LEARNING OUTCOMES

1. The student will define the hardware and interactive requirements that comprise multimedia
2. The student will compare and contrast technical developments in multimedia and their impact on society
3. The student will create digital audio, digital still images and video images that exemplify the elements and principles of professional level asset acquisition
4. The student will edit original digital content including audio, video and still images
5. The student will create original content by applying the elements and principles of aesthetics and design
6. The student will demonstrate the ethical use of video, audio and copyright law to their creation of media.
7. The student will evaluate the time, scope and medium requirements of multiple projects and create a plan that will result in the on-time completion
8. The student will analyze the scope and medium requirements of multimedia projects, project a completion date and submit the finished work by that date

TEXTBOOKS

http://kckccbookstore.com/

METHOD OF INSTRUCTION

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations,

projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE
I. Sound Pickup Principle and Transduction
II. Microphones
    A. Directional Characteristics
    B. Mechanics & Use
III. Sound Control
    A. Audio mixers
    B. Volume control
    C. Mic and line-level inputs
    D. Volume units
    E. Sound calibration
    F. Mixing
    G. Audio console
    H. Cables and patch panel
    I. Audio connectors
    J. Patching
IV. Sound Recording
    A. Analog Recording Equipment
    B. Operational controls
    C. Digital Recording Equipment
    D. Digital Audiotape
    E. Digital multitrack
    F. Digital Audio Workstations (DAW)
V. Synthesized Sound
    A. Sampling
    B. Pulse Code Modulation
    C. Sound editing software
VI. Sound Aesthetics
    A. Context
    B. Figure-Ground
    C. Perspective
    D. Continuity
    E. Energy

COURSE LEARNING OUTCOMES AND COMPETENCIES
Upon successful completion of this course, the student will:

A. Explain the principles of sound pickup
    1. Describe transduction as it relates to human hearing and digital conversion.

B. Identify microphones and their directional characteristics, mechanics and use.
    2. Identify directional characteristics of microphones
    3. Identify the mechanics and use of microphones

C. Identify the necessary components for controlling sound capture.
4. Identify the components of audio mixers
5. Apply appropriate volume control
6. Utilize Mic and line-level inputs
7. Identify volume units
8. Demonstrate appropriate sound calibration
9. Demonstrate mixing
10. Identify the components of an audio console
11. Identify cables and patch panels
12. Identify audio connectors
13. Demonstrate patching of various audio equipment

D. Edit synthesized sound
14. Demonstrate appropriate use of analog recording equipment
15. Identify operational controls of recording and playback machines
16. Identify digital Recording Equipment
17. Record and edit sound using digital Audiotape
18. Record and edit sound using digital multitrack
19. Explain SMPTE time used with Digital Audio Workstations (DAW)
20. Define sampling

E. Identify five factors of audio aesthetics
21. Identify Context
22. Identify Figure-Ground Principle
23. Identify Perspective principle
24. Identify Continuity
25. Identify Energy

ASSESSMENT OF COURSE LEARNING OUTCOMES AND COMPETENCIES
Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

COLLEGE POLICIES AND PROCEDURES
Student Handbook
https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf

College Catalog
https://www.kckcc.edu/academics/catalog/index.html

College Policies and Statements
https://www.kckcc.edu/about/policies-statements/index.html

Accessibility and Accommodations
https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html.