DATE OF LAST REVIEW: 02/2013

CIP CODE:  10.0304

SEMESTER:  Departmental Syllabus

COURSE TITLE:  Audio for Video Production

COURSE NUMBER:  MMVP0180

CREDIT HOURS:  3

INSTRUCTOR:  Departmental Syllabus

OFFICE LOCATION:  Departmental Syllabus

OFFICE HOURS:  Departmental Syllabus

TELEPHONE:  Departmental Syllabus

EMAIL:  KCKCC issued email accounts are the official means for electronically communicating with our students.

PREREQUISITES:  MMVP0140

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com/, for the required texts for your particular class.

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.

METHOD OF INSTRUCTION:
A variety of instructional methods may be used depending on the content area. These include but are not limited to: lecture, multimedia, cooperative learning, labs and demonstrations, projects and presentations, speeches, debates and panels, conferencing, learning experiences outside the classroom and performance. 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  

EXPECTED LEARNER OUTCOMES:  
1. Upon successful completion of the course the student will be able to explain the principles of sound pickup  
2. Upon successful completion of the course the student will be able to identify microphones and their directional characteristics, mechanics and use.  
3. Upon successful completion of the course the student will be able identify the necessary components for controlling sound capture.  
4. Upon successful completion of the course the student will be able to record both analog and digital sound  
5. Upon successful completion of the course the student will be able to edit synthesized sound  
6. Upon successful completion of the course the student will be able to identify five factors of audio aesthetics

COURSE COMPETENCIES:  
Upon completion of the course the student will be able to explain the principles of sound pickup  
1. The student will describe transduction as it relates to human hearing and digital conversion.  
Upon completion of the course the student will be able to identify microphones and their directional characteristics, mechanics and use.  
2. The student will identify directional characteristics of microphones  
3. The student will identify the mechanics and use of microphones  
Upon completion of the course the student will be able identify the necessary components for controlling sound capture.  
4. The student will identify the components of audio mixers  
5. The student will apply appropriate volume control  
6. The student will utilize Mic and line-level inputs  
7. The student will identify volume units  
8. The student will demonstrate appropriate sound calibration  
9. The student will demonstrate mixing  
10. The student will identify the components of an audio console
11. The student will identify cables and patch panels
12. The student will identify audio connectors
13. The student will demonstrate patching of various audio equipment

**Upon completion of the course the student will be able to edit synthesized sound**
14. The student will demonstrate appropriate use of analog recording equipment
15. The student will identify operational controls of recording and playback machines
16. The student will identify digital Recording Equipment
17. The student will record and edit sound using digital Audiotape
18. The student will record and edit sound using digital multitrack
19. The student will explain SMPTE time used with Digital Audio Workstations (DAW)
20. The student will define sampling

**Upon completion of the course the student will be able to identify five factors of audio aesthetics**
21. The student will identify Context
22. The student will identify Figure-Ground Principle
23. The student will identify Perspective principle
24. The student will identify Continuity
25. The student will identify Energy

**ASSESSMENT OF LEARNER OUTCOMES:**
1. Attendance and participation is required
2. Completion of all assigned projects
3. Completion of all quizzes

**SPECIAL NOTES:**
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

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