COURSE SYLLABUS

LAST REVIEW	Spring 2021		
COURSE TITLE	Music Technology I		
COURSE NUMBER	AUDI 0110		
DIVISION	Arts, Communications, and Humanities		
DEPARTMENT	AUDI		
CIP CODE	10.0203		
CREDIT HOURS	3.00		
CONTACT HOURS/WEEK	Class: 3.00	Lab: X	Clinical: X
PREREQUISITES	None		

COURSE PLACEMENT Students must meet the correct placement measure for this course. Information may be found at: https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html

COURSE DESCRIPTION
This class covers the Apple computer, MIDI and digital audio workstation (DAW) MIDI sequencing software, music notation and publishing software. Students will learn the function and operation of the Mac OS and the technical equipment found in a MIDI production studio, produce sequenced music projects and musical scores using specific industry software.

KANSAS SYSTEMWIDE TRANSFER: AUDI0110
The learning outcomes and competencies detailed in this course outline or syllabus meet or exceed the learning outcomes and competencies specified by the Kansas Core Outcomes Groups project for this course as approved by the Kansas Board of Regents.

PROGRAM ALIGNMENT
This course is part of a program aligned through the Kansas Board of Regents and Technical Education Authority. For more information, please visit: https://kansasregents.org/workforce_development/program-alignment

General Education Learning Outcome

☐ Basic Skills for Communication
☐ Mathematics
☐ Humanities
☐ Natural and Physical Sciences
☐ Social and Behavioral Sciences

Institutional Learning Outcomes

☐ Communication
☐ Computation and Financial Literacy
☐ Critical Reasoning
☐ Technology and Information Literacy
☐ Community and Civic Responsibility
☐ Personal and Interpersonal Skills

TEXTBOOKS

http://kckccbookstore.com/

METHODS 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. Digital Audio Workstation Computer Terminology
    A. Hardware components
    B. Central processors
    C. Peripheral components
    D. Storage
    E. Memory
    F. Software
II. The Apple Operating System
    A. File management
    B. Desktop
    C. System Preferences
    D. Printing
    E. Menus
    F. Keyboard shortcuts
III. Essential Apple Skills
    A. Data entry
    B. Data formatting
    C. Data editing

D. Graphics files

IV. MIDI Topics
- A. Synthesizer specifications
- B. Synthesizer operational modes
- C. Auditioning sounds
- D. Audio, MIDI, and USB cables
- E. Setting up a studio

V. Digital Audio Workstation MIDI sequencing software
- A. Tracks
- B. Channels
- C. Transport controls
- D. Note entry methods
- E. Editing methods
- F. Changing velocities
- G. Quantizing

VI. Professional Notation Software
- A. Setting up a score
- B. Importing MIDI files
- C. The tool palette
- D. Note entry methods
- E. Editing
- F. Page layout and formatting

COURSE LEARNING OUTCOMES AND COMPETENCIES

Upon successful completion of this course, the student will:

A. The learner will be able to explain digital audio workstation computer terminology and various hardward and software components.
B. The learner will be able to describe the functions and features of the Apple operating system.
C. The learner owill be proficient at using the Apple computer for music production functions.
D. The learner will be able to discuss various MIDI topics , including synthesizers, cabling, and setting up a DAW studio for music sequencing.
E. The learner will be able to create music using DAW MIDI sequencing software.
F. The learner will be able to create printed musical scores using professional industry standard notation software.

COURSE COMPETENCIES:

The learner will be able to explain digital audio workstation computer terminology and various hardware and software components.

1. The learner will be able to identify and discuss various hardware components necessary in a DAW.
2. The learner will be able describe characteristics of various central processing units.

3. The learner will be able to discuss the function of peripheral computer components.
4. The learner will be able to identify various means of storing computer data.
5. The learner will be able to define the function of computer memory.
6. The learner will be able to define the concept of software and list various types of commercially available specialist industry standard software.

The learner will be able to describe the functions and features of the Apple operating system.
7.The learner will be able to define the basic functions of file management carried out by the Apple OS.
8.The learner will be able to describe the desktop of the Apple OS.
9.The learner will be able to discuss the function of the systems preferences.
10.The learner will be able to print documents and create PDF files.
11.The learner will be able to list the functions of the desktop menus.
12.The learner will be able to memorize the various keyboard shortcuts commonly used on the OS.

The learner will be proficient at using the Apple computer for music production functions.
13.The learner will be proficient at data entry.
14.The learner will be able to properly format data.
15.The learner will be able to edit data.
16.The learner will be able to use graphics files.

The learner will be able to discuss various MIDI topics, including synthesizers, cabling, and setting up a DAW studio for music sequencing.
17.The learner will be able to define typical synthesizer specifications.
18.The learner will be able to demonstrate the various operational modes on a synthesizer.

19.The learner will be able to audition sounds on a synthesizer.
20. The learner will be able to discuss the different types of signals that are sent on audio and MIDI and USB cables.
21. The learner will be able to diagram the connections necessary to set up a DAW based MIDI sequencing studio that uses a computer and MIDI synthesizer.

The learner will be able to create music using DAW MIDI sequencing software.
22.The learner will be able to explain the concept of tracks within a sequencing program.
23.The learner will be able to explain the concept of channels within a sequencing program.
24.The learner will be able to use the transport controls within a sequencing program.
25.The learner will be able to enter notes and data using real time recording, step time recording, grid view, score view, and list view entry methods.

25. The learner will be able to edit data using grid view, score view, and list view entry methods.
26. The learner will be able to control and change note velocities.
27. The learner will be able to quantize music in a sequencing program.

The learner will be able to create printed musical scores using professional industry standard notation software.

28. The learner will be able to set up a score using templates and from a blank document.
29. The learner will be able to import MIDI files from other applications or the Internet into a notation program.
30. The learner will be able to define the functions of the tools in the Finale tool palette.
31. The learner will be able to enter music on the staff using various note entry methods.
32. The learner will be able to edit data using a variety of methods.
33. The learner will be able to format and print a Finale document using page layout functions.

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.