

COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Audio Recording 1
COURSE NUMBER	AUDI 0250
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	AUDI0110 with a grade C or above.
COREQUISITES	Corequisites
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 course is an introduction to the recording studio, equipment, and recording techniques. Emphasis is placed on demonstrating an understanding of specific equipment and techniques through the completion of a sequence of assignments, leading to a group "band" recording session. Microphones, analog and digital equipment and recording systems, computer software, sound manipulation, and mixing and production techniques will be studied.

KANSAS SYSTEMWIDE TRANSFER: AUDI0250

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. Introduction to equipment
 - A. Hardware analog mixers
 - B. Signal path
 - C. Patchbay
 - D. Microphone types
- II. Concepts and terminology
 - A. Human hearing
 - B. Frequency
 - C. Decibels
 - D. Connectors
 - E. Audio terminology
- III. Microphone techniques
 - A. Mono
 - B. Coincident stereo
 - C. Near coincident stereo
 - D. Spaced techniques
 - E. Recording voice
 - F. Recording instruments

- G. Recording drums
- IV. Recording devices
 - A. CD-R recorder
 - B. Hardware hard-drive recorder
- V. Processing, effects and dynamics processing hardware
 - A. EQ
 - B. Compression
 - C. Reverb
- VI. Recording and mixing software
 - A. Using stereo recording and editing software
 - B. Using multi-track recording and editing software
 - C. Processing plug-ins
- VII. The recording session
 - A. Planning
 - B. Multi-track procedures
 - C. Recording drums, bass, guitar, and voice
 - D. Mixing

COURSE LEARNING OUTCOMES AND COMPETENCIES

Upon successful completion of this course, the student will:

- A. The learner will be able to discuss the hardware necessary for audio recording.
- B. The learner will be able to discuss the concepts and terminology of audio recording.
- C. The learner will be able to describe microphone placement and microphone techniques for recording various instruments.
- D. The learner will be able to operate hardware recording devices.
- E. The learner will be able to define various types of EQ, effects and dynamic processing.
- F. The learner will be able to track and mix recordings using digital audio software.
- G. The learner will be able to produce recordings of various band instruments and mix them into a finished band "demo" product.

COURSE COMPETENCIES:

The learner will be able to discuss the hardware necessary for audio recording.

1. The learner will be able to operate a hardware analog mixing console.
2. The learner will be able to trace audio signal paths.
3. The learner will be able to connect devices through an audio patchbay.
4. The learner will be able to define the characteristics of various types of microphones.

The learner will be able to discuss the concepts and terminology of audio recording.

5. The learner will be able to describe the range and characteristics of human hearing.
6. The learner will be able to discuss frequency.
7. The learner will be able to define decibels.
8. The learner will be able to distinguish various types of audio connectors.
9. The learner will be able to define and use audio terminology.

The learner will be able to describe microphone placements and microphone techniques for recording various instruments.

10. The learner will be able to apply mono microphone techniques in recording.
11. The learner will be able to apply coincident pair microphone techniques in recording.
12. The learner will be able to apply near coincident pair microphone techniques in recording.
13. The learner will be able to apply spaced pair microphone techniques in recording.
14. The learner will be able to set up the proper miking techniques to the human voice.
15. The learner will be able to set up the proper miking techniques to record various standard instruments.
16. The learner will be able to set up the proper miking techniques to record drums.

The learner will be able to operate hardware recording devices.

17. The learner will be able to use and discuss characteristics of a CD-R recorder.
18. The learner will be able to use and discuss characteristics of a hardware hard disc multi-track recorder.

The learner will be able to define various types of effects and dynamic processing.

19. The learner will be able to add equalization processing to a recording.
20. The learner will be able to add compression processing to a recording.
21. The learner will be able to add reverb processing to a recording.

The learner will be able to track and mix recordings using digital audio software.

22. The learner will be able to use stereo recording and editing software.
23. The learner will be able to use multi-track recording and editing software.
24. The learner will be able to use software plug-ins.

The learner will be able to produce recordings of various band instruments and mix them into a finished band "demo" product.

25. The learner will be able to plan and discuss a multi-track recording project with band members.
26. The learner will be understand and be able to discuss the procedures used in a multi-track recording session.
27. The learner will be able to produce a technically competent recording of a drum set, electric bass, electric guitar, and vocals.

28. The learner will be able to produce a technically competent mix of a modern band recording.

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>.