

COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Live Sound Reinforcement 2
COURSE NUMBER	AUDI 0151
DIVISION	Arts, Communications, and Humanities
DEPARTMENT	AUDI
CIP CODE	10.0203
CREDIT HOURS	1.00
CONTACT HOURS/WEEK	Class: 1.00 Lab: X Clinical: X
PREREQUISITES	AUDU 0157 with a grade C or above.

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 will further familiarize students with the equipment that forms a professional live sound system, with a focus on dedicated monitor systems, wiring and soldering techniques, and sound reinforcement applications in the concert and theater setting. Students will set up and operate the equipment at the monitor mix position. Students will learn how to identify and correct technical and aural problems. Students will learn how to communicate and discuss system requirements and demands.

KANSAS SYSTEMWIDE TRANSFER: AUDI 0151

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. The Monitor System

- A. Setting up and operating monitor mixing equipment
- B. Setting up and operating monitor drive and processing equipment
- C. Powered, full-range, bi and tri –amplified systems
- D. Tuning the monitor system

II. Wiring

- A. Balanced vs. Unbalanced
- B. Wiring different cables
- C. Soldering techniques

III. Split-snakes

- A. Simultaneous FOH/Monitor operation
- B. Live multi-track recording
- C. Mixing practice

IV. Theater Sound Reinforcement

- A. Visual considerations
- B. Wireless microphone systems

V: Aural skills

A. Dynamic, time domain, and frequency content

COURSE LEARNING OUTCOMES AND COMPETENCIES

Upon successful completion of this course, the student will:

- A. The learner will be able to set up and operate a dedicated monitor system.
- B. The learner will understand and wiring standards, and be able to solder cables mixing consoles.
- C. The learner will understand how split snakes allow the operation of multiple mixing consoles.
- D. The learner will understand and have experienced theater and wireless microphone systems.
- E. The learner will develop aural skills.

COURSE COMPETENCIES:

The learner will be able to set up and operate a dedicated monitor system.

- 1. The learner will know how to set up, and operate the components of a monitor system.
- 2. The learner will know how to set up the drive and processing components of a monitor system.
- 3. The learner will understand and be able to set up powered, passive, full-range, bi-amplified, and tri-amplified monitor systems.
- 4. The learner will be able to tune and EQ the monitor system.

The learner will understand and wiring standards, and be able to solder cables and plugs.

- 5. The learner will understand, balanced and unbalanced wiring protocols.
- 6. The learner will be able to correctly wire different cables and connectors.
- 7. The learner will understand correct soldering technique.

The learner will understand how split snakes allow the operation of multiple mixing consoles.

- 8. The learner will understand and be able to set-up and operate FOH and monitor mixers.
- 9. The learner will be able to multi-track record a live event.
- 10. The learner will demonstrate proficiency at mixing both FOH and monitors.

The learner will understand and have experienced theater and wireless microphone systems.

- 11. The learner will be able to set up and use wireless microphone systems.
- 12. The learner will demonstrate understanding of and being able to work to theater visual constraints.

The learner will develop aural skills.

13. The learner will develop skills that will help identify dynamic, time domain, and frequency content issues that may arise in the field.

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>.