

# COURSE SYLLABUS

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| <b>LAST REVIEW</b>        | Spring 2021  |
| <b>COURSE TITLE</b>       | Live Sound Reinforcement I   |
| <b>COURSE NUMBER</b>      | AUDI 0150  |
| <b>DIVISION</b>           | Arts, Communications, and Humanities                                     |
| <b>DEPARTMENT</b>         | AUDI   |
| <b>CIP CODE</b>           | 10.0203  |
| <b>CREDIT HOURS</b>       | 1.00   |
| <b>CONTACT HOURS/WEEK</b> | Class: 1.00                      Lab: X                      Clinical: X |
| <b>PREREQUISITES</b>      | 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 course will familiarize students with the equipment that forms a professional live sound system. Students will set up and operate this equipment at the front-of-house mixing 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: AUDIO150

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](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. Equipment theory and practice
  - A. microphones and live sound microphone techniques
  - B. equipment standards
  - C. the live sound mixing board and mixing techniques
  - D. audio processing, dynamics, effects, crossovers, delays
- II. The Front-of-House System
  - A. Setting up and operating FOH mixing equipment
  - B. Powered, full-range, bi and tri –amplified systems
  - C. Setting up and operating loudspeaker systems
- III. The Monitor System
  - A. Setting up the equipment
  - B. Full range and bi-amplified systems
  - C. Tuning/EQ-ing the system
  - D. Monitor mixing techniques
- IV. Paperwork
  - A. Stage plots
  - B. Input lists

## C. Contracts and Riders

### **COURSE LEARNING OUTCOMES AND COMPETENCIES**

Upon successful completion of this course, the student will:

- A. The learner will be able to set up a live sound system, including front of house and monitors.
- B. The learner will understand the components of a live sound system and how they function together.
- C. The learner will be able to set up the “stage” aspects of a sound system, including microphones.
- D. The learner will be able to read and create stage plots, input lists, and contact riders.

### **COURSE COMPETENCIES:**

*The learner will be able to set up a live sound system, including front of house and monitors.*

1. The learner will know how to set up the components of a live sound system.
2. The learner will know how to set up the components of a live sound monitor system.

*The learner will understand the components of a live sound system and how they function together.*

3. The learner will understand, and be able to discuss the function of each component in a live sound system.
4. The learner will know how each component interacts, and understand the signal flow of a live sound system.
5. The learner will be able to optimize the operation of each component.
6. The learner will be able to troubleshoot problems in a live sound system.

*The learner will be able to set up the “stage” aspects of a sound system, including microphones.*

7. The learner will understand, and be able to discuss different types of microphones.
8. The learner will understand live sound microphone techniques, and be able to set up microphones on stage.
9. The learner will be able to set up monitors correctly on stage.
10. The learner will be able to set up backline equipment on stage.

*The learner will be able to read and create stage plots, input lists, and contract riders.*

11. The learner will be able to discuss, interpret and set up equipment based on stage plots.

12. The learner will be able to discuss, interpret and set up equipment based on input lists.
13. The learner will be able to discuss and interpret contract riders and set up equipment to contract rider specifications.

### **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>.