

# COURSE SYLLABUS

<b>LAST REVIEW</b>	Spring 2021
<b>COURSE TITLE</b>	Lighting and Staging
<b>COURSE NUMBER</b>	AUDI 0170
<b>DIVISION</b>	Arts, Communications, and Humanities
<b>DEPARTMENT</b>	AUDI
<b>CIP CODE</b>	10.0203
<b>CREDIT HOURS</b>	3.00
<b>CONTACT HOURS/WEEK</b>	Class: 3.00                      Lab: X                      Clinical: X
<b>PREREQUISITES</b>	None
<b>COURSE PLACEMENT</b>	Students must meet the correct placement measure for this course. Information may be found at: <a href="https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html">https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html</a>

## COURSE DESCRIPTION

This course examines theories and methods of stage lighting and stage construction for music and concert productions. Topics studied include stage lighting optics, instrument selection and application, color theory, circuiting and control systems, and basic design, circuiting and computerized control systems, special effects, and production design. Stages, staging systems, trusses, hanging and suspension systems, and rigging concepts relevant to event production will also be studied

## KANSAS SYSTEMWIDE TRANSFER: AUDI0170

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. Lighting Theory
  - A. Instrument types
  - B. Lenses
  - C. Lamps
  - D. Dimmers
  - E. Color Theory
  - F. Filters
  - G. Electrical theory
  
- II. Lighting Production
  - A. Stage hanging positions
  - B. FOH hanging positions
  - C. Cables and connectors
  - D. Circuiting
  - E. Special FX and projections
  - F. Moving lights
  - G. Safety

- III. Computerized Control Systems
  - A. Programming
  - B. File storage
  - C. Running a show
  - D. Moving lights
  
- IV. Production Paperwork
  - A. Light plots
  - B. Stage plots
  
- V. Staging systems
  - A. Assembling stage systems
  - B. Assembling truss systems
  - C. Hanging lighting instruments
  - D. Hanging audio components
  - E. Safety
  
- VI. Rigging
  - A. Rigging materials
  - B. Rigging hardware
  - C. Slings
  - D. Chains
  - E. Motors

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

Upon successful completion of this course, the student will:

- A. The learner will understand lighting theory.
- B. The learner will be able to set up lighting production for a show.
- C. The learner will be able to set up and operate computerized lighting control systems.
- D. The learner will be able to read, interpret and set up shows from production paperwork.
- E. The learner will be able to assemble staging, truss, and lighting components.
- F. The learner will be able to discuss rigging procedures and concepts.

### **COURSE COMPETENCIES:**

*The learner will understand lighting theory.*

1. The learner will be able to effectively use different lighting instruments.
2. The learner will be able to effectively use different lenses.
3. The learner will be able to effectively use different lamps.
4. The learner will be able to set up and operate dimmers.
5. The learner will be able to discuss and employ color theory.
6. The learner will be able to use filters.

7. The learner will be able to discuss relevant electrical theory.

*The learner will be able to set up lighting production for a show.*

8. The learner will be able to discuss different stage hanging positions.

9. The learner will be able to discuss different FOH hanging positions.

10. The learner will be able to identify and correctly use different cables and connectors.

11. The learner will understand electrical circuits.

12. The learner will be able to set up special FX and projection instruments.

13. The learner will be able to set up and operate moving light systems.

14. The learner will understand electrical circuit safety.

*The learner will be able to set up and operate computerized control systems.*

15. The learner will be able to program computerized control systems.

16. The learner will be able to store and transfer show files.

17. The learner will be able to run and show using computerized control systems.

18. The learner will be able to set up and operate moving light systems.

*The learner will be able to read, interpret and set up shows from production paperwork.*

19. The learner will be able to discuss and interpret light plots.

20. The learner will be able to discuss and interpret stage plots.

*The learner will be able to assemble staging, truss, and lighting components.*

21. The learner will be able to assemble staging systems.

22. The learner will be able to assemble truss systems.

23. The learner will be able to hang lighting instrument.

24. The learner will be able to hang audio components.

25. The learner will be able to discuss show safety requirements and safety systems.

*The learner will be able to discuss rigging procedures and concepts.*

26. The learner will be able to identify and discuss rigging materials.

27. The learner will be able to identify and discuss rigging hardware.

28. The learner will be able to discuss safe use of slings.

29. The learner will be able to discuss the safe use of chains.

30. The learner will be able to discuss and safely operate motors.

## **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>.