DATE OF LAST REVIEW: 02/11/2013

CIP CODE: 10.0203

SEMESTER: Departmental Syllabus

COURSE TITLE: Lighting and Staging

COURSE NUMBER: AUDI0170

CREDIT HOURS: 3

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: Departmental Syllabus

EMAIL: KCKCC issued email accounts are the official means for electronically communicating with our students.

PREREQUISITE(S): None.

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com/, for the required texts for your particular class.

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.

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

EXPECTED LEARNER OUTCOMES:

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 LEARNER OUTCOMES:
The methods of assessment will include, but not be limited to, homework assignments on music and non-music software to be done on the computer; Internet assignments; written exams; and final projects.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center at 913-288-7670.