

THEA 231: CONCERT TOURING TECHNICAL DIRECTOR

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2024
Credits:	3
Total Contact Hours:	90
Lecture Hours :	36
Lab Hours:	0
Hours Arranged:	54
Outside of Class Hours:	72
Total Student Learning Hours:	162
Prerequisite:	THEA 226.
Transferable to CSU:	Yes
Transferable to UC:	No
Grading Method:	Standard Letter

Catalog Course Description

A course in which students will gain practical experience in the technical operations of a tour or performing arts center including lighting, sound, set design/construction and coordinating necessary maintenance. 36 lecture hours, 54 lab hours arranged.

Course Objectives

- solve problems in concert touring through the ability to interpret working drawings and plots in the set up of lights, sound, video and staging systems
- demonstrate knowledge on the set up and operation of static and intelligent lighting consoles to include but not limited to ETC express, ETC EOS, GrandMA, HOG, Virtuoso and Avolites
- demonstrate knowledge on the set up and operation of digital and analog sound consoles
- demonstrate proficiency in the skills required for monitoring the condition of equipment including lighting, sound, and rigging equipment
- demonstrate and employ basic skills of the technical needs of a live concert production
- execute the responsibilities in pre rig, show run, and strike
- demonstrate knowledge on the set up and operation of video systems for a variety of venues
- assist leads in executing a live concert through planning and execution
- assist in arranging for the repair and replacement of equipment within budgetary constraints
- perform preventive maintenance on equipment

Major Course Content

1. Preparation to assist in concert production including necessary touring techniques
2. Identify and safely utilize appropriate tools to fulfill concert requirements for performance
3. Basic technical theatre and concert touring terminology

4. Advanced knowledge in lighting, sound, staging and video systems
5. Recognize and demonstrate collaborative responsibilities with the promoter, designers, and crew supervisors
6. Demonstrate and apply basic and advanced skills in running a concert
7. Create, maintain or construct basic concert production elements
8. Assist with the preparation and control of production budgets; maintain inventory and specialized equipment

Hours Arranged Content

Guided instruction in...

1. rigging, hanging, circuiting and focusing of lighting instruments and other production needs
2. followspot operation
3. operating a static and intelligent lighting control console
4. lighting, stage, sound and video crew supervision
5. control protocol signal path
6. reading concert lighting plots
7. basic electrical requirements for a live sound system
8. basic live sound system signal path
9. basic electrical requirements for a live sound system
10. sound component set up
11. sound crew work
12. stage truss assembly and rigging
13. staging assembly and safety check
14. reading scenic design plans
15. backstage etiquette
16. backstage responsibilities
17. stage crew work
18. backstage safety procedures
19. venue survey
20. production management

Suggested Reading Other Than Required Textbook

PLSN (Projection, Lights and Staging News) industry magazine

Examples of Required Writing Assignments

A minimum three page critique on each concert production for that semester

Examples of Outside Assignments

Research on the use of stage lighting and sound equipment currently used in concerts Research to include but is not limited to a variety of operating techniques and abilities of consoles and stage lighting instruments as well as diagnosis of control protocols such as digital multiplexing Research concert technical production

Instruction Type(s)

Lab, Lecture