

THEA 0015 - STAGE LIGHTING

Catalog Description

Formerly known as DRMA 15

Hours: 90 (18 lecture, 72 activity)

Description: Covers basic principles of color, light sources and instruments, electricity, how to hang, do circuiting, create a cue sheet, lighting plot, and design elements for stage lighting to run a theatrical production. (C-ID THTR 173) (CSU, UC)

Course Student Learning Outcomes

- CSLO #1: Describe and discuss lighting design elements and practices.
- CSLO #2: Interpret and implement a working light plot.
- CSLO #3: Identify and recall common techniques and terminology.

Effective Term

Spring 2021

Course Type

Credit - Degree-applicable

Contact Hours

90

Outside of Class Hours

72

Total Student Learning Hours

162

Course Objectives

Students will through oral, written, diagrammatic and performance work:
Lecture Objectives:

1. Describe and discuss lighting design elements, including illumination, focus, mood and movement
2. Assess need and relevance for design elements for specific productions through intensity, color, distribution and texture, including safety procedures and industry standards
3. Demonstrate, describe and analyze the techniques of hanging, focusing and coloring instruments
4. Assess need and relevance for various types of hanging, focusing and coloring instruments for specific productions
5. Interpret a working light plot using industry standards and USITT guidelines
6. Describe fundamentals of electricity and its usage in stage lighting
7. Discuss safety requirements for the use of electricity in stage productions.

Activity Objectives:

1. Demonstrate need and relevance of design elements for specific productions through intensity, color, distribution and texture, including safety procedures and industry standards
2. Hang, focus and color lights for a staged production;

3. Implement a working light plot using industry standards and USITT guidelines

4. Apply safety requirements for the use of electricity in stage productions.

General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

Articulation Information

- CSU Transferable
- UC Transferable

Methods of Evaluation

- Problem Solving Examinations
 - Example: Students will be given a scenario on assessing circuit overloads. Students will be assessed on their usage of circuit overload precautions and their ability to use the facility to its maximum potential to support the play in production. Grading based on industry standards.
- Reports
 - Example: Students attend and formally critique, in writing, two plays with special focus on lighting techniques. Student will be able to discern success of techniques in terms of play support and setting.
- Skill Demonstrations
 - Example: Given a scenario, students will hang and focus lighting instruments with consideration for maximum wattage capacities and appropriate design specifications. Grading based on industry standards.

Repeatable

No

Methods of Instruction

- Activity
- Lecture/Discussion
- Distance Learning

Activity:

1. Students will hang and focus lighting instruments with consideration for maximum wattage capacities and appropriate design specifications.
2. Instructor will demonstrate the use of color, how to use it, and how to mix it. Students will then demonstrate the process on their own.

Lecture:

1. Instructor will lead students in a discussion about lighting instruments, their qualities, performance capacities, and structure. Students are expect to actively engage in discussion.

Distance Learning

1. The Instructor will set-up all assignments and discussion in the LMS to provide a means for an interactive, engaging and organized

learning environment. Tools and apps such as video conferencing, videos, and textbooks will be used as training, discussion platforms, analysis and models for students. On ground demonstrations and practical use of equipment will also demonstrate and support written study.

Typical Out of Class Assignments

Reading Assignments

1. Students will read assigned chapter from textbook and be able to identify two main accessories, and the quality of light that they produce.
2. Students will regularly read from provided lighting journals and be able to compare and contrast techniques used for special effects.

Writing, Problem Solving or Performance

1. Students write a response to power formula problems to demonstrate their knowledge in safety and maximum system capacities by showing their work.
2. Students hang and focus lighting instruments with consideration for light direction and color and impact.

Other (Term projects, research papers, portfolios, etc.)

Required Materials

- Theatrical Design and Production: An Introduction to Scene Design and Construction, Lighting, Sound, Costume, and Makeup
 - Author: J. Michael Gillette
 - Publisher: McGraw-Hill Humanities/Social Sciences/Languages;
 - Publication Date: 2012
 - Text Edition: 7th
 - Classic Textbook?: No
 - OER Link:
 - OER:
- Scene Design and Stage Lighting
 - Author: Oren Parker, R. Craig Wolf, Dick Block
 - Publisher: Wadsworths/Thomson Learning
 - Publication Date: 2013
 - Text Edition: 10th
 - Classic Textbook?: No
 - OER Link:
 - OER:

Other materials and-or supplies required of students that contribute to the cost of the course.

1. 5/8 X 3/4 speed wrench
2. Work gloves