

C-ID Descriptor

Introduction to Stage Lighting or Lighting Design Fundamentals

Descriptor Details

- **Descriptor Title:** Introduction to Stage Lighting or Lighting Design Fundamentals
- **C-ID Number:** 173
- **Units:** 3.0
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General Description

This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design.

Prerequisites

No information provided

Corequisites

No information provided

Advisories

No information provided

Content

- A. Introduction to designing with light
- B. Electrical theory and practice
- C. Lighting Equipment
- D. Lighting design paperwork

- E. Rehearsal and performance procedures
- F. Color theory
- G. Lighting angles
- H. Advanced and in depth theories of lighting design
 - 1. Dramas
 - 2. Comedies
 - 3. Musicals
 - 4. Dance concert lighting
- I. May include theoretical projects

Lab Activities

- A. Assist in the supervision of stage crews
 - 1. Supervision of instrument and cable repair
 - 2. Supervision of hanging, focusing and circuiting of lighting equipment for departmental productions
- B. Practical applications of lighting design
 - 1. Organizing and performing the duties of Master Electrician for a departmental production
 - 2. Organizing and performing the duties of Assistant Lighting Designer for a Departmental production
 - 3. Designing the lighting for a departmental production

Objectives

At the conclusion of this course, the student should be able to:

- A. Identify, define and describe terminology commonly associated with theatrical lighting design and execution.
- B. Identify the controllable qualities of theatrical lighting
- C. Identify the functions of theatrical lighting
- D. Recognize and explain the different types of drawings and paperwork commonly used in theatrical lighting design
- E. Calculate the capacity of electrical wire gage and safe current flow
- F. Demonstrate an understanding of the function of various theatrical lighting instruments
- G. Recall and practice safety information concerning electrical hazards

- H. Participate in the hanging, circuiting, focusing, and operation of theatrical lighting equipment
- I. Demonstrate an understanding of style, color, texture, angle and mood as they relate to theatrical lighting design
- J. Produce the paperwork necessary to implement a lighting design

Evaluation Methods

- A. Quizzes
- B. Mid-terms and Final Exams
- C. Lighting projects
- D. Oral evaluation of laboratory assignments
- E. Evaluation of written reviews

Textbooks

- A. Gillette, J. Michael. Designing with Light, Fifth Edition, Mayfield Publishing, 2007
- B. Essig, Linda. Lighting and the Design Idea, 2nd Ed., Thomson Wadsworth, (2005).
- C. Shelley, Steven Louis. A Practical Guide to Stage Lighting, 2nd Ed., Focal Press (2009).