THEA G176: STAGE LIGHTING

Item	Value
Curriculum Committee Approval Date	04/21/2020
Top Code	100700 - Dramatic Arts
Units	3 Total Units
Hours	72 Total Hours (Lecture Hours 45; Lab Hours 27)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)
Local General Education (GE)	• GWC Arts, Lit, Phil, Lang (GC)
California State University General Education Breadth (CSU GE-Breadth)	• CSU C1 Arts (C1)

Course Description

This course is an introduction to the theories and technology of lighting for stage, film and television. Course includes practical applications of basic electronics, color, projections, maintenance of lighting equipment and lighting design. Students may participate in the lighting of college productions and are required to attend GWC theatrical productions. This course is recommended for students interested in theater, television and film and for students planning to transfer. Transfer Credit: CSU; UC. C-ID: THTR 173. **C-ID:** THTR 173.

Course Level Student Learning Outcome(s)

1. Course Outcomes
2. Mount and operate stage lighting equipment for various theatrical productions.
3. Demonstrate theories of stage lighting including functions, qualities of light, electricity, intensity, movement and color.
4. Analyze theater scripts to determine lighting requirements and prepare a basic lighting plot.
5. Present a lighting design for a theatrical production.

Course Objectives

- 1. Specify, mount and operate lighting instruments and equipment for a live theatrical productions.
- 2. Critically analyze theatrical scripts to determine lighting requirements and create a basic lighting design or plot.
- 3. Explain the role and responsibilities of a lighting designer in a live theatrical production.
- 4. Demonstrate an understanding of principles and concepts of theatrical stage lighting including use of color, intensity, types of instruments, computer/electronic/digital controls, qualities and function of light.

Lecture Content

History of stage lighting Italian Renaissance contributions Nineteenth century innovations Modern technical innovations Elements of electricity Sources of electric current Electric units of measure Alternating current Conductors, insulators, and connectors Light sources Incandescent lamps Low-voltage lamps Par lamps Arc lights LED and other lights Reflection, refraction, absorption Types of reflectors Basic concepts in lighting design Elements of lighting design Qualities of light Intensity Distribution Movement Color In light Color terminology Color filtering Theory of color physiology Color media and usage Functions of stage lighting Light for the actor Light for the acting area Light for the background and special effects Stage lighting design for theatrical productions The role of the lighting designer in a theatrical production Script analysis for design decisions Collaboration with a production team Development of the light plot Realization of the light plot The light hang and focus Rehearsal process Production run ol> Differences and challenges found in various theatrical venues Proscenium theater Arena theater Thrust theater Found or adapted theater spaces Lighting design for dance Lighting design for musical theater and opera Lighting design for television and film Employment as a lighting designer Qualifications and training Union requirements Networking

Lab Content

Operations of stage lighting equipment Mounting Operation Programming a light board Running a light board Maintenance Types of stage lighting instruments Guidelines on instrument selection Spotlights Ellipsoidal reflector spotlights Fresnel spotlights Par fixtures Follow spots Flood lights Border lights ">Projection equipment Intelligent (movable) lighting Other lights Direction and intensity control History of dimming Elements of electronic/digital control e="background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">Types of electronic/digital control Operations of electronic/digital control

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- DE Online Lecture (02X)
- Lab (04)
- DE Live Online Lab (04S)
- DE Online Lab (04X)

Reading Assignments

Text Websites Handouts

Writing Assignments

Attend live theatrical productions for the purpose of written critical evaluation Develop a written lighting design and/or lighting plot for a theatrical play or musical production

Out-of-class Assignments

Attend live theatrical productions for the purpose of written critical evaluation

Demonstration of Critical Thinking

Students will analyze scripts and develop a lighting design concept appropriate to the demands of the script and the directors concept.

Required Writing, Problem Solving, Skills Demonstration

Students will analyze lighting design in theatrical productions in written reviews. Students will develop lighting designs appropriate to a production. Students will operate stage lighting equipment for performance.

Eligible Disciplines

Drama/theater Arts: Masters degree or Master of Fine Arts in drama/theater arts/performance OR bachelors degree or Bachelor of Fine Arts in drama/theater/performance AND masters degree in comparative literature, English, communication studies, speech, literature, or humanities OR the equivalent. Masters degree required. Stagecraft: Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience,

Textbooks Resources

1. Required Wolf, R. Craig and Block, Dick. Scene Design and Stage Lighting, 10th ed. Cengage Learning, 2013 , ISBN: 0495501905. Rationale: Classic textbook. No newer editions available. 2. Required Dunham, Richard. Stage Lighting: The Fundamentals, 2nd ed. Routledge, 2018