This course is an introductory course in which the student will study the theories and technology of lighting for stage, film and television. This 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. C-ID THTR 173

CATALOG DESCRIPTION:

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COURSE LEVEL STUDENT LEARNING OUTCOME(S) Supported by this course:

1. Mount, maintain, and operate lighting instruments and stage lighting equipment for various theatrical productions.
2. Explain theory of stage lighting including functions and qualities of light.
3. State principles of electricity and color theory.
4. Critically analyze theater scripts to determine lighting requirements.
5. Develop a lighting design for a theatrical production.

COURSE OBJECTIVES:
1. Mount, maintain, and operate lighting instruments and stage lighting equipment for various theatrical productions.
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COURSE CONTENT:

LECTURE CONTENT:

A. History of stage lighting
   1. Italian Renaissance contributions
   2. Nineteenth century innovations
   3. Modern technical innovations
B. Elements of electricity
   1. Sources of electric current
   2. Electric units of measure
   3. Alternating current
   4. Conductors, insulators, and connectors
C. Light sources
   1. Incandescent lamps
   2. Low-voltage lamps
   3. Par lamps
   4. Arc lights
   5. LED and other lights
D. Reflection, refraction, absorption
   1. Types of reflectors
E. Stage lighting instruments
   1. The selection of the right instrument
   2. Spotlights
      a. Ellipsoidal reflector spotlights
      b. Fresnel spotlights
   3. Par fixtures
   4. Other lights
      a. Follow spots
      b. Flood lights
      c. Border lights
   5. Projection equipment
   6. Intelligent (movable) lighting
F. Direction and intensity control
   1. History of dimming
2. Elements of electronic control
3. Types of electronic control

G. Color in light
1. Color terminology
2. Color filtering
3. Theory of color physiology
4. Color media and usage

H. Basic concepts in lighting design
1. Elements of lighting design
2. Qualities of light
   a. Intensity
   b. Distribution
   c. Color
   d. Movement
3. Functions of stage lighting
4. Light for the actor
5. Light for the acting area
6. Light for the background and special effects

I. Stage lighting design for theatrical productions
1. The role of the lighting designer in a theatrical production
2. Script analysis for design decisions
3. Collaboration with a production team
4. Development of the light plot
5. Realization of the light plot
   a. The light hang and focus
   b. Rehearsal process
   c. Production run
6. Differences in theatrical venues
   a. Proscenium theater
   b. Arena theater
   c. Thrust theater
7. Light design for dance
8. Light design for musical theater and opera
9. Light design for television and film

J. Employment as a lighting designer
1. Qualifications and training
2. Union requirements
3. Networking

LABORATORY CONTENT:
Mounting, maintenance, and operation of stage lighting equipment in the development and realization of a lighting design

METHODS OF INSTRUCTION:
A. Lecture:
B. Lab:
C. Independent Study:

INSTRUCTIONAL TECHNIQUES:

COURSE ASSIGNMENTS:
Reading Assignments
Text Websites Handouts

Out-of-class Assignments
Writing Assignments

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.

METHODS OF STUDENT EVALUATION:
Midterm Exam
Final Exam
Short Quizzes
Written Assignments
Essay Examinations
Objective Examinations
Report
Projects (ind/group)
Problem Solving Exercises
Oral Presentations
Skills Demonstration

Demonstration of Critical Thinking:

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

TEXTS, READINGS, AND RESOURCES:

TextBooks:

LIBRARY:
Adequate library resources include: Non-Print Materials
Comments:

Attachments:
Attached Files