GAVILAN COLLEGE
5055 Santa Teresa Blvd
Gilroy, CA 95023

Course Outline

COURSE: THEA 27 DIVISION: 10 ALSO LISTED AS:

TERM EFFECTIVE: Fall 2020 CURRICULUM APPROVAL DATE 06/09/2020

SHORT TITLE: LIGHTING

LONG TITLE: Fundamentals of Lighting

Units	Number of Weeks	Type	Contact Hours/Week	Total Contact Hours
3	18	Lecture:	3	54
		Lab:	0	0
		Other:	0	0
		Total:	3	54

COURSE DESCRIPTION:

This course involves the study and execution of stage lighting with emphasis on equipment, control, color and their relationship to design. (C-ID: THTR 173)

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

L - Standard Letter Grade

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion
05 - Hybrid
71 - Dist. Ed Internet Simultaneous
72 - Dist. Ed Internet Delayed

STUDENT LEARNING OUTCOMES:

By the end of this course, a student should:

1. Write a critique of a live theatrical performance using terminology commonly associated with theatrical lighting design and execution.

2. Recognize and explain the different types of drawing and paperwork commonly used in theatrical lighting design.

3. Participate in hanging, circuiting, focusing and operation of theatrical lighting equipment.

4. Analyze color, style, texture angle and mood as they relate to theatrical lighting design.

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Curriculum Approval Date 06/09/2020

4 Hours

Content: Introduction to Design with Lights. Examines basic lighting equipment and effects. Look at new technologies/special effects in industry today.

Student Performance Objectives: Recognize basic vocabulary and concepts.

4 Hours

Content: Electrical Theory and Practice. Introduction of basic electrical theory and standard safety practices for class/industry.

Workshop: Safety Practices, Electricity and the Student Designer.

Student Performance Objectives: Recognize and apply fundamental electric theory. Calculate the capacity of electrical wire cage and safe current flow. Recall and practice safety information concerning electrical hazards.

6 Hours

Content: Lighting Equipment. Overview of standard equipment including light instruments, light control boards, cables, rigging and all germane safety procedures. Basic cleaning, upkeep and focusing of light instruments.

Workshop: Tour of Technical booth and rigging/light storage and maintenance area at Gavilan. Practical workshop on Light Board use and procedures.

Student Performance Objectives: Calculate capacity of wire gage and safe current flow. Employ lighting vocabulary in homework and in-class assignments. Identify the functions of theatrical lighting.

6 Hours

Content: Lighting Design Paperwork. Employ the essential components of lighting design paperwork to communicate your ideas to staff/technicians.

Student Performance Objectives: Create paperwork file for production designs. Create the paperwork necessary to implement a lighting design.

9 Hours

Content: Rehearsal and Performance Procedures. Attend performance rehearsals/live performances to better master the various stages of the technical rehearsal process and duties of the technicians/designers during technical rehearsals and performance production.

Student Performance Objectives: Identify the various elements of the rehearsal/performance process.

6 Hours

Content: Color Theory. Introduction and practical applications of color/color theory to lighting design.

Workshop: Recall/Review Safety Training and Workshop. Participate in hanging/focusing/circuiting theatrical lighting.

Student Performance Objectives: Integrate color into designs. Practice safety training.

6 Hours

Content: Lighting Angles. Introduction and use of angles to create drama/special effects in lighting design.

Workshop: Participate in hanging/focusing/circuiting theatrical lighting, using color and angles.

Student Performance Objectives: Integrate angles into design schemes. Master basic vocabulary. Practice Safe Training. Identify the controllable qualities of theatrical lighting.

11 Hours

Content: Advanced Theories of Lighting Design 2. Lighting for special performances: Special Events, Concerts, Civic Events.

Workshop: Special Event Lighting Design and Set Up.

Student Performance Objectives: Create Light Plots and Paperwork II. Discuss and demonstrate style, color, texture, angle and mood as they relate to lighting design/alternate

script. Explain and demonstrate the function of various lighting instruments.

2 Hours

Final Presentation

METHODS OF INSTRUCTION:

Lecture, Group work projects, practical application exercises

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours: 8

Assignment Description: Reading Textbook. Read Play Text. Analysis I.

Required Outside Hours: 8

Assignment Description: Readings from Textbook

Required Outside Hours: 12

Assignment Description: Read Play Text. Analysis II. Equipment Assignment.

Required Outside Hours: 12

Assignment Description: Basic Paperwork Packet for Assigned Play. Readings from Textbook.

Required Outside Hours: 18

Assignment Description: Attend rehearsals of department production, tech or performance. Response paper. Readings from textbook.

Required Outside Hours: 12

Assignment Description: Create 3 color design concept for lights and staging. Read play texts. Analysis III.

Required Outside Hours: 12

Assignment Description: Designs and Light Plots Using Angles. Readings from Textbook.

Required Outside Hours: 26

Assignment Description: Create Light Plots and Paperwork II. Alternate Script. Explain style, color, texture, angle and mood as they relate to lighting design. Study for quizzes/exams.

METHODS OF EVALUATION:

Writing assignments

Percent of total grade: 30.00 %

Percent range of total grade: 20% to 30% Reading Reports, Essay Exams, Other: Performance and Presentation

Problem-solving assignments

Percent of total grade: 20.00 %

Percent range of total grade: 20% to 25% Field Work, Lab Reports, Quizzes, Exams

Skill demonstrations

Percent of total grade: 30.00 %

Percent range of total grade: 20% to 40% Class Performance/s, Performance Exams

Objective examinations

Percent of total grade: 20.00 %

Percent range of total grade: 15% to 20%

REPRESENTATIVE TEXTBOOKS:

J. Michael Gillette and Michael McNamara. Designing with Light: An Introduction to Stage Lighting. New York: Routedge,2020.

Or other appropriate college level text.

Reading Level of Text, Grade: 12th Verified by: JLH

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

GAV C1, effective 201470

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 201570

UC TRANSFER:

Transferable UC, effective 201570

SUPPLEMENTAL DATA:

Basic Skills: N
Classification: Y
Noncredit Category: Y
Cooperative Education:
Program Status: 1 Program Applicable
Special Class Status: N
CAN:
CAN Sequence:
CSU Crosswalk Course Department: THTR
CSU Crosswalk Course Number: 173
Prior to College Level: Y
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: N
Occupational Course: E
Maximum Hours: 3
Minimum Hours: 3
Course Control Number: CCC000553687
Sports/Physical Education Course: N
Taxonomy of Program: 100700