



El Camino College

COURSE OUTLINE OF RECORD - Official

I. GENERAL COURSE INFORMATION

Subject and Number: Theatre 185
Descriptive Title: Introduction to Stage Lighting

Course Disciplines: Drama/Theater Arts
or Stagecraft

Division: Fine Arts

Catalog Description: This course emphasizes the operation of stage lighting equipment, planning and rigging of lighting units, operation of control systems and related equipment, light sources, stage electricity, color in light, and the design of stage lighting. Students must attend selected theatre events at El Camino College Center for the Arts.

Conditions of Enrollment: *You have no defined requisites.*

Course Length: ☒ Full Term ☐ Other (Specify number of weeks):
Hours Lecture: 2.00 hours per week ☐ TBA
Hours Laboratory: 3.00 hours per week ☐ TBA
Course Units: 3.00

Grading Method: Letter
Credit Status: Associate Degree Credit

Transfer CSU: ☒ Effective Date: Prior to July 1992
Transfer UC: ☒ Effective Date: Prior to July 1992

General Education:

El Camino College:

CSU GE:

IGETC:

II. OUTCOMES AND OBJECTIVES

A. COURSE STUDENT LEARNING OUTCOMES (The course student learning outcomes are listed below, along with a representative assessment method for each. Student learning outcomes are not subject to review, revision or approval by the College Curriculum Committee)

The above SLOs were the most recent available SLOs at the time of course review. For the most current SLO statements, visit the El Camino College SLO webpage at <http://www.elcamino.edu/academics/slo/>.

B. Course Student Learning Objectives (The major learning objective for students enrolled in this course are listed below, along with a representative assessment method for each)

1. Describe the lighting sources used in the theatre from a historical perspective, identify the most common sources of light in the theatre and name and describe the various parts of theatrical lamps and lighting units.

No Assessment Selected

2. Compare and contrast lighting units for the purpose of selecting units for a specific operation, set up the lighting units and program the control systems and identify and recall the elements of electricity such as the volt, the amp, and the watt.

No Assessment Selected

3. List the types of good and poor conductors and insulators, differentiate between the function of conductors and insulators and list and explain the different types of current and electrical systems used in theatrical, motion picture, television, and concert events.

No Assessment Selected

4. Diagram the path of light as stated in the various types of reflection and refraction according to the physical laws that govern it and the path of light as refracted through theatrical lighting units.

No Assessment Selected

5. Describe the origins of scenic projections from a historical view point, identify the various types used in the theatre today and assess and appraise the need for scenic projections in given productions.

No Assessment Selected

6. Describe the concept of dimming lights and intensity control from an historical point of view, compare the various types of dimming systems and their uses and diagram the path of electrical power through different types of dimmers.

No Assessment Selected

7. Identify the primary and secondary colors in light and the results of mixing colors in light using colored filters and regulating intensity.

No Assessment Selected

8. Analyze and compare the color changes of a typical sunset by observation in nature, the types of color mixing available in light and create various colors with light in the laboratory using different types of lighting units.

No Assessment Selected

9. Describe the application of color psychology and how it applies to lighting design in the theatre and analyze and compare the various types of color media available to the lighting designer today.

No Assessment Selected

10. Analyze plays for the purpose of creating a lighting design, play scripts for production lighting needs and interpret the lighting needs for the production and design a plan.

No Assessment Selected

11. Create a theatrical drawing to scale of the theatre and the lighting design solution.

No Assessment Selected

III. OUTLINE OF SUBJECT MATTER (Topics are detailed enough to enable a qualified instructor to determine the major areas that should be covered as well as ensure consistency from instructor to instructor and semester to semester.)

Lecture	Approximate	Topic	Major Topic
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or Lab	Hours	Number	
Lecture	20	I	A. Light Sources <ol style="list-style-type: none"> 1. Historical perspectives of lighting sources used in the theatre 2. Common sources of light in the theatre 3. Parts of theatrical lamps and lighting units 4. Selecting units for a specific operation 5. Lighting units and control systems for lab projects and current departmental productions
Lecture	20	II	A. Elements of Electricity <ol style="list-style-type: none"> 1. The volt, the amp, and the watt 2. Good and poor conductors and insulators 3. Function of conductors and insulators in different types of current and electrical systems used in theatrical, motion picture, television, and concert events 4. Types of electrical service and electrical circuits
Lecture	15	III	A. Projected Scenery <ol style="list-style-type: none"> 1. Scenic projections from a historical view point 2. Scenic projections currently used in the theatre 3. Scenic projections in a given production
Lecture	15	IV	A. Intensity Control <ol style="list-style-type: none"> 1. Dimming lights and intensity control from an historical point of view 2. Historical methods of intensity control 3. Types of dimming systems and their uses 4. Electrical power through different types of dimmers
Lecture	20	V	A. Color in Light <ol style="list-style-type: none"> 1. Primary and secondary colors in light 2. Mixing colors in light using colored filters and regulating intensity 3. Color changes of a typical sunset by observation in nature 4. Types of color mixing available in light 5. Application of color psychology and how it applies to lighting design in the theatre 6. Types of color media currently available to the lighting designer
Total Lecture Hours		90	
Total Laboratory Hours		0	
Total Hours		90	

IV. PRIMARY METHOD OF EVALUATION AND SAMPLE ASSIGNMENTS

A. PRIMARY METHOD OF EVALUATION:

Skills demonstrations

B. TYPICAL ASSIGNMENT USING PRIMARY METHOD OF EVALUATION:

Prepare a critical review focusing on the lighting elements presented in a production by the El Camino Center for the Arts. The review should be at least two to four pages, type written, double spaced, and with proper margins. Offer supportive evidence as to why and how the lighting design worked or did not work for the production.

C. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS:

1. Evaluate the stylistic scenic and lighting concepts appropriate to the production of a selected singer or mutable set play. Formulate a design solution and develop a light plot and lighting paperwork.
2. Prepare a lighting cue list used in a selected production. Define, translate, and interpret the lighting needed for the production. Formulate a design solution and develop a master light cue sheet for the selected scene.

D. OTHER TYPICAL ASSESSMENT AND EVALUATION METHODS:

Essay exams

Reading reports

Written homework

Term or other papers

Other (specify):

Lighting designs and light plots; Q sheets

Setup, programming, color mixing

V. INSTRUCTIONAL METHODS

Demonstration

Laboratory

Lecture

Multimedia presentations

Other (please specify)

Critiques

Note: In compliance with Board Policies 1600 and 3410, Title 5 California Code of Regulations, the Rehabilitation Act of 1973, and Sections 504 and 508 of the Americans with Disabilities Act, instruction delivery shall provide access, full inclusion, and effective communication for students with disabilities.

VI. WORK OUTSIDE OF CLASS

Study

Answer questions

Skill practice

Required reading

Problem solving activities

Written work

Observation of or participation in an activity related to course content

Estimated Independent Study Hours per Week: 4

VII. TEXTS AND MATERIALS

A. UP-TO-DATE REPRESENTATIVE TEXTBOOKS

Parker & Wolf. Scene Design and Stage Lighting. Holt, Rinehart and Winston, 2002.

B. ALTERNATIVE TEXTBOOKS

C. REQUIRED SUPPLEMENTARY READINGS

Selected plays

D. OTHER REQUIRED MATERIALS

VIII. CONDITIONS OF ENROLLMENT

A. Requisites (Course and Non-Course Prerequisites and Corequisites)

Requisites	Category and Justification
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B. Requisite Skills

Requisite Skills

C. Recommended Preparations (Course and Non-Course)

Recommended Preparation	Category and Justification
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D. Recommended Skills

Recommended Skills

E. Enrollment Limitations

Enrollment Limitations and Category	Enrollment Limitations Impact
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Course created by Linda S. Fossi on 01/02/1986.

BOARD APPROVAL DATE:

LAST BOARD APPROVAL DATE:

Last Reviewed and/or Revised by Mark Lipe on 01/24/2013