



COURSE OUTLINE

THR252	Lighting Design			3
Course Number	Course Title			Credits
2	2	0	0	15 week
Class or Lecture Hours	Laboratory or Work Hours	Clinical or Studio Hours	Practicum, Co-op, Internship	Course Length (15 week, 10 week)

Performance on an Examination/Demonstration
(Placement Score (if applicable); minimum CLEP score)

Alternate Delivery Methods
(Online, Telecourse [give title of videos])

Required Materials:

Gillette, Michael, J., [Designing with Light : An Introduction to Stage Lighting](#), Mayfield Publishing Company, October 1997.
Horizon by Rosco laboratories, Lighting Control Software, free download
Color Media Samples, Rosco, Lee Filter and GAM

Catalog Description:

Fundamentals of lighting design. Analysis of a script for lighting and the development of a workable design concept. Through this concept and an evaluation of the performers' spatial relationships in the production, students generate light plots and the associated paperwork common to a production. *Students will be required to work as a lighting designer at approved venues.*

Prerequisites:
THR152

Corequisite:

Last Revised 2/2019

Course Coordinator: **Robert Terrano, Assistant Professor**
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Available Resources:

Books

[Stage Lighting Revealed: A Design and Execution Handbook](#)

ISBN: 1558702903

Author: Glen Cunningham

Publisher: F & W Publications, Incorporated

Date Published: March 1993

[Theatre Backstage from A to Z](#)

ISBN: 0295977175

Author: Warren C. Lounsbury, Norman C. Boulanger

Publisher: University of Washington Press

Date Published: January 1999

[The ABC of Stage Lighting](#)

ISBN: 0896761193

Author: Francis Reid

Publisher: Quite Specific Media Group, Limited

Date Published: September 1992

[Discovering Stage Lighting](#)

ISBN: 0240515455

Author: Francis Reid

Publisher: Butterworth-Heinemann

Date Published: December 1998

[Lighting the Stage: A Lighting Designer's Experiences](#)

ISBN: 0240513754

Author: Francis Reid

Publisher: Butterworth-Heinemann

Date Published: July 1995

Format: Trade Paper

[Scene Design and Stage Lighting](#)

ISBN: 0155016202

Author: W. Oren Parker, R. Craig Wolf

Publisher: Harcourt Brace College Publishers

Date Published: February 1996

[Light on the Subject](#)

ISBN: 0879101261

Author: David Hays, Designed by Peter Brook

Publisher: Limelight

Date Published: November 1989

[The Stage Lighting Handbook](#)

ISBN: 0878300643

Author: Francis Reid

Publisher: Routledge

Date Published: October 1996

[Stage Lighting Design: The Art, the Craft, the Life](#)

ISBN: 0896761398

Author: Richard Pilbrow

Publisher: Quite Specific Media

Date Published: October 1997

[Concert Lighting: Techniques, Art and Business](#)

ISBN: 0240802934

Author: James L. Moody

Publisher: Butterworth-Heinemann

Date Published: November 1997

[The Lighting Art: The Aesthetics of Stage Lighting Design](#)

ISBN: 0135010810

Author: Richard H. Palmer

Publisher: Prentice Hall

Date Published: August 1993

[Effects for the Theatre](#)

ISBN: 0896761363

Author: Graham Walne, Joe Aveline

Publisher: Quite Specific Media Group

Date Published: June 1995

[Lighting and Sound](#)

ISBN: 071482514X

Author: Neil Fraser

Publisher: Chronicle Books

Date Published: August 1995

[Concert Sound and Lighting Systems](#)

ISBN: 024080192X

Author: John Vasey

Publisher: Butterworth-Heinemann

Date Published: February 1994

[Theater Technology](#)

ISBN: 0300067666

Author: George C. Izenour

Publisher: Yale University Press

Date Published: July 1999

[Stage Lighting for Theatre Designers](#)

ISBN: 0435086855

Author: Nigel H. Morgan

Publisher: Heinemann

Date Published: December 1997

[Lighting and the Design Idea](#)

Author: Linda Essig
Publisher: Harcourt Brace & Company
Date Published: April 1998 [Stage Lighting Controls](#) ISBN: 0240514769
Author: Uif Sandstrom
Publisher: Butterworth-Heinemann
Date Published: November 1997

[Easy Stage Lighting](#)
ISBN: 0834194341
Author: Tim Freeman
Publisher: Lillenas Publishing Company

Date Published: January 1996

[Designing with Light : An Introduction to Stage Lighting](#)
ISBN: 1559345276
Author: J. Michael Gillette
Publisher: Mayfield Publishing Company
Date Published: October 1997

[A Practical Guide to Stage Lighting](#)
ISBN: 0240803531
Author: Steven Louis Shelley
Publisher: Butterworth-Heinemann
Date Published: March 1999

Magazines:

Lighting Dimensions Magazine is the leading international trade magazine for lighting professionals targeting designers and specifiers of entertainment, architectural and commercial lighting. Its editorial reports on the latest technologies and applications for theatre, film, television, clubs, concerts and tours, theme parks, industrial and architectural lighting projects.

Websites

Entertainment Design on-line <http://www.entertainmentdesignmag.com/>

Lighting Dimensions Online <http://www.lightingdimensions.com/>

Stage Lighting Links <http://www.people.virginia.edu/~rlk3p/desource/links/LinkList.html>

Course Goals.

The student will be able to:

1. Analyze a script, score, and concert or entertainment plot for lighting and develop a workable design concept.
2. Generate light plots and the associated paperwork common to a production based on the design concept and an evaluation of the performers' spatial relationships in the production.
3. Design lights for a theatre production, theme park, or corporate event.

Evaluation of Student Learning.

Students' achievement of the course objectives will be evaluated through the use of the following tools:

- Informal writing in course journals, documenting the student's reactions to course content, reflections on the various lectures, projects, and field trips, and thoughts on their own developing concepts on lighting design. (Goals 1-2)
- Active participation in class field trips to various venues, including preparation of questions beforehand to ensure a lively discussion with professionals on-site. (Goals 1-2)
- An individual project where students will design lights using music from musical, film or concert soundtracks. Students will be graded on concept, lighting plot implementation and execution. (Goal 1)

- A practicum where students will design lights in an approved local venue. (Goal 2)
- The final project will be the design of lights based on an approved script. The design will include concept all supporting documentation, the CAD drafting of the lighting plot and the cue sheets. (Goals 1-3)

Evaluation Tools	Percentage Of Grade
Journal Writing	5%
Field Trip Preparation and Participation	5%
Lighting Design Terminology Test	10%
Lighting Design/Music Project	20%
Practicum	20%
Final lighting design project	30%
Class Participation	10%
Total	100%

Unit I: The Design Process, the Image of Light and the Lighting Key

1. Discuss the steps in the design process and use them for you lighting plot.
2. Interpret the metaphor image of light.
3. Create your own image of light for a stage production.
4. Analyze, interpret and evaluate a script for the development of a lighting design.
5. Create the lighting cues based on the image of light and the analysis of the script.
6. Create the image of light based on the analysis and interpretation of a script.
7. Analyze the image of light for distribution, intensity and movement and color.
8. Define the terms used for the creating of the lighting key.
9. Create the lighting key based on the image of light and analysis of the script.

Unit II: Using the Lighting Key to Draw the Plot

1. Design the lighting plot based on the lighting key.
2. Create the supportive documentation for the lighting plot.
3. Use the standards for drafting in lighting design
4. Draft the lighting plot manual and with computer aided design software.

Unit III: Rehearsal and Performance Procedures

1. List, describe and create the organization tools needed for rehearsal and performance such as cues sheets, preset sheets, magic sheets, etc.
2. Work closely with the director to run and effective lighting rehearsal.
3. Evaluate the lighting design during rehearsal and make the appropriate revisions.

Unit IV: An Introduction to Lighting for Film and Video

1. Compare and contrast the differences between lighting for stage and concert vs. film and video.
2. Describe the characteristics of film and video cameras in relation to light and color.
3. Describe the various light sources and their effects on film and video.
4. Explain color temperature and evaluate its effect on video and film.
5. Describe the various characteristic of film such as latitude, reflectance, etc.
6. Compare and contrast the various types of light meters.
7. Identify the various types of media lighting instruments and describe their uses in film and video.

Any student in this class who has special needs because of a disability is entitled to receive accommodations. Eligible students at Mercer County Community College are assured services under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. If you believe you are eligible for services, please contact Arlene Stinson, the Director of Academic Support Services. Ms. Stinson's office is LB221, and she can be reached at (609) 570-3525.