# COURSE OUTLINE

<table>
<thead>
<tr>
<th>THR252</th>
<th>Lighting Design</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Number</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Class or Lecture Hours</td>
<td>Laboratory or Work Hours</td>
<td>Clinical or Studio Hours</td>
</tr>
</tbody>
</table>

**Performance on an Examination/Demonstration**<br>(Placement Score (if applicable); minimum CLEP score)<br>**Alternate Delivery Methods**<br>(Online, Telecourse [give title of videos])

**Required Materials:**
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:**

**Course Coordinator:**
Robert Terrano, Assistant Professor
Office: ET131 E-mail: terranor@mccc.edu

**Last Revised:** 2/2019
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

**Stage Lighting Design: The Art, the Craft, the Life**
ISBN: 0896761398  
Author: Richard Pilbrow  
Publisher: Quite Specific Media  
Date Published: October 1997

**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: Roulledge  
Date Published: October 1996

**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**
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)

<table>
<thead>
<tr>
<th>Evaluation Tools</th>
<th>Percentage Of Grade</th>
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<tbody>
<tr>
<td>Journal Writing</td>
<td>5%</td>
</tr>
<tr>
<td>Field Trip Preparation and Participation</td>
<td>5%</td>
</tr>
<tr>
<td>Lighting Design Terminology Test</td>
<td>10%</td>
</tr>
<tr>
<td>Lighting Design/Music Project</td>
<td>20%</td>
</tr>
<tr>
<td>Practicum</td>
<td>20%</td>
</tr>
<tr>
<td>Final lighting design project</td>
<td>30%</td>
</tr>
<tr>
<td>Class Participation</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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**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.