COURSE OUTLINE

ETT 207	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:
EET 206

Corequisite:

Last Revised: 2006

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
ISBN: 0155020692
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%

Academic Integrity Statement:

Students are expected to comply with the college-wide requirements for academic integrity. Mercer County Community College is committed to Academic Integrity—the honest, fair, and continuing pursuit of knowledge, free from fraud or deception. This implies that students are expected to be responsible for their own work. Presenting another individual's work as one's own and receiving excessive help from another individual will qualify as a violation of Academic Integrity. The entire policy on Academic Integrity is located in the Student handbook and is found on the college website (http://www.mccc.edu/admissions_policies_integrity.shtml).

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.