

GRADUATE LIGHTING DESIGN I

Course Syllabus

Fall 2014

The University of Florida

College of the Arts

School of Theatre and Dance

Professor Stan Kaye

OFFICE HOURS as posted on my office door OR BY APPOINTMENT

Class Meets M W – 4-5 (10:40 – 12:35)

MESSAGES: DEPARTMENT OFFICE 273-0510 direct line (Has voice mail)

MY OFFICE IN McGuire 207 (My cell is 352-317-2855)

E-MAIL: STANKAYE@UFL.EDU (CHECKED FREQUENTLY)

TEXTS: Light Fantastic *The Art and Design of Stage Lighting* By Max Keller
Prestel 2nd Edition – ISBN 978-3-7913-3685-5

A Practical Guide to Stage Lighting, 3rd Edition by Steve Shelly
Elsevier – Focal Press – ISBN-13: **978-0415812009** | Edition: **3**

SUPPLIES NEEDED:

Software Required: Vectorworks Spotlight student edition or (latest edition) –

Lighting Design Software: Student Version. WYSIWYG Student or Design or you may use the lab machines. Design Level Dongle will be provided for you.

This link will help you get the software and “dongle”. You need to get this software up and running immediately. <https://www.cast-soft.com/cast/academic/students.php>

Required: Computer system, Lap-Top or desktop capable of running WYSIWYG and Vectorworks. Software: Vectorworks Spotlight (student edition), Adobe PDF writer standard, Photoshop CS or creative cloud Microsoft office Suite.

There will be unannounced quizzes on the readings.

GRADING BREAKDOWN:

PROJECT # 1- Light Plot Reconstruction = 30 %

PROJECT # 2 = Music Project = 30 % WYSIWYG

PROJECT # 3 Final Project- Diary of Anne Frank or title selected in class
Complete Light Plot and accompanying paperwork and Fiber
Optic Cueing sequence (5 stunning looks) = 40%

The final project paperwork shall include:

Full light plot ½ Scale—The plot shall be CAD drafted in Vectorworks Spotlight.
Complete Center-line Section
Complete Hook-up (Lightwright or Excell)
Complete Instrument Schedule (Lightwright or Excel)
Complete shop order (no cable included)
Color Pallette
Magic Sheet
Concept Statement with Play Analysis (minimum 1000 word Play analysis)
Concept Research or inspirational material
Rough plots and/or sketches
Complete Cue Score
Visual Storyboard derived from model cueing with fiber optics (minimum 5 stunning images)

All final project information shall be put together into a single electronic document and organized in a professional manner. See me to see a sample of these projects. I also expect all drawings, and documents to be included on a CD with all documents in PDF format.

NOTE: READING ASSIGNMENTS SHOULD BE COMPLETED FOR THE WEEK IN, WHICH THEY ARE SCHEDULED.

LIGHTING LABORATORY ACCESS: The Lighting lab
Will be accessible by signing out time in advance on the lab clip-board.

INDUSTRY RESOURCES:

Since you are planning a career in lighting design you should subscribe to at least one of the following periodicals and make them a permanent part of your library.

Live Design <http://livedesignonline.com/>

PLSN (Pro Lights and Staging News) <http://www.plsn.com/>

Light and Sound America <http://www.lightingandsoundamerica.com/>

Lighting Design and Application (LD&A)
http://www.ies.org/lda/members_contact.cfm

Architectural Lighting (AL) <http://www.archlighting.com/>

Stage Directions <http://www.stage-directions.com/>

LED Magazine Online <http://www.stage-directions.com/>

CONSIDER JOINING:

USITT = United States Institute for Theatre Technology <http://www.usitt.org/>

IALD – International Association of Lighting Designers <http://www.iald.org/>

IALD – Education Trust – A great way to break into the Architectural lighting design field and they offer \$\$ and scholarship often --
<http://www.iald.org/trust/index.asp>

USA-829 – United Scenic Artists (At some appropriate point in your career) Examination and experience required.
<https://www.usa829.org/Default.aspx>

IESNA – Illuminating Engineers Society of North America (at some point in your career) <http://www.iesna.org/>

American Association of Museums – If you are interested in museum and display lighting. <http://www.aam-us.org/>

International Association of Amusement Parks and Attractions – If you have any interest in working in this area of our field
<http://www.iaapa.org/>

Please read:

See attached Weekly Schedule. We will try to stay on schedule but it is likely that we will digress into conversations that are beneficial and I will allow for that. Rest assured we will cover all of the material presented in this Syllabus. You are responsible for all reading in a timely fashion. Bringing your work in for review on the dates noted on the schedule are required. Failure to do so will result in a reduced grade no matter what the quality of the result is.

Carefully read the project sheets. The directions in them are quite specific. It is wise to read them often as you are going through the process of the project so will not stray off track.

The final project play is *The Diary of Anne Frank* or other play as determined in the class. See the final project sheet. We will discuss this in class.

Students with Disabilities:

Students requiring classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Counseling and Mental Health:

Please be aware that there are people on-campus to assist you if you feel that the pressures of a semester are too great for you to handle. Call any of the services listed below for assistance:

Student Mental Health (24 hours on call)
2nd Floor, Student Health Care Center
392-1171

University Counseling Center
P301 Peabody Hall
392-157

Please refer to your student handbook for the University's honesty policy regarding cheating and the use of copyrighted materials.

Graduate Lighting Design I
Project # 1
Theatrical Lighting Drafting Drill

Project: Drafting Quality Enhancement Drill

Purpose: The purpose of this project is to insure that your drafting quality is of the highest possible standard and will be respected by Union electrical crews in venues throughout the United States and beyond.

Goals: The overarching goal is to bring your drafting to the highest level and familiarize yourself with Broadway quality drafting expectations on a complex show.

Method: By reviewing the Broadway Plot for *Jersey Boys* we will pick certain plates for you to reproduce from scratch. Through this “copy” exercise you will discover various techniques to achieve proper line weight relationships, clarity of information, notation details, and the general ethic of high quality 2D representation of lighting design schematics as expected by the USA-829 and IATSE. (International Association of Theatrical Stage Employees)

Project Execution: You may execute this exercise on your own computer or on SOTD lab machines. I cannot guarantee the reliability of UF computers or your own. Only you are responsible for maintaining the integrity of your files and ability to complete the project on time and printed. Our printer can be temperamental so I suggest you be prepared to use the Architecture lab or PDF your drafting and bring to Kinkos for printing. You will notice on the schedule that there is a day to review and critique your drafting. Be sure to have printed plates for me to “red line” that day so your final version will benefit from my feedback.

Pride in Work: It is expected in this program that you will strive to produce the highest quality work you are capable of. In this environment where you have the luxury of time you will be motivated to sharpen your skills through practice and focused concentration. Much like mastering a musical instrument, I will serve as your guide to be a master of all the techniques both, technical and artistic to be considered a Master of your craft at the conclusion of your program.

Grading: I will base your grade on these factors:

- | | | |
|---------------|---------------|----------|
| - Preparation | -commitment | -quality |
| - Timeliness | -creativity | |
| - Attitude | -thoroughness | |
| - | | |
| - | | |

You are expected to deliver:

Perfectly printed versions of the drafting plates we select in class. Printed in black and white and in proper scale. They should be folded as I have instructed you in class and should be of such a quality that you would be prepared to present them to the head electrician on a Local 1 IATSE crew in NYC.

Music Project
TPA 5025 Graduate Lighting Design I
Professor Stan Kaye
Fall 2010

Overview:

The purpose of this project is to fine tune your ability to see light as a visual representation of time, mood, movement and dynamic composition. It will also familiarize you with the use of large amounts of automated lighting and the use of WYSIWYG software.

Method:

By choosing a musical composition with rich textures, repetitive motifs, and varied volumes you will design a lighting plot in WYIWYG using any technology that you feel will express your visual ideas for the song. You may use any venue you wish. You will break the song down into its component parts that you determine require different looks or ideas.

Final Goal

On the due date we will set up a projector in the Light Lab and you will take us on a guided explanation of all of the technical details of your design. Then you will run the event live with the music and the live control of the lighting. You will deliver the following paperwork as part of this project:

Deliverables:

High Quality lighting plan in 1/2" or 3/8" scale (created in WYG - tough I know)
High Quality lighting section in 1/2" or 3/8" scale (created in WYG - tough I know)
Complete channel hook-up (created in WYG - tough I know)
Complete instrument schedule (created in WYG - tough I know)

Details:

Choose a piece of music that has varied motifs, rhythms, colors and emotional content. Music with a clear narrative or moods works best. You should break this music down into sections and create a cue score that reflects your responses to the music. Use google image search or other means to find images that fit your feelings for each cue in the cue score. Once that is established, move on to the layout of your lighting plot. Once the plot is completed begin the cueing process by working in WYG live mode. Be careful to keep all your files in multiple locations and protect them from corruption.

On your due date you will present all the paperwork and performance for evaluation.

I will grade on:

promptness	good use of available resources
growth	
technical mastery	
creativity	

Graduate Lighting Design I
Final Project Description
Cueing Design for *Diary of Anne Frank*

Project: Complete Lighting Design for a scenic model The Diary of Anne Frank
All paperwork included below shall be presented neatly in a binder.

You are expected to deliver:

The following paperwork is to be included:

Full light plot ½ Scale—The plot shall be CAD drafted in
Vectorworks Spotlight.

Complete Center-line Section

Complete Hook-up (Lightwright or Excel)

Complete Instrument Schedule (Lightwright or Excel)

Complete shop order (no cable included)

Color Palette

Magic Sheet

Concept Statement with Play Analysis

Concept Research or inspirational material

Rough plots or sketches

Complete Cue Score

Visual Storyboard derived from model cueing with fiber optics or video clips of the cues with a audio narrative explaining what we are seeing. This can be created in imovie or windows moviemaker.

Purpose: The purpose of this project is to build your skills in professional paperwork using Vectorworks and Lightwright. It is intended to exercise your ability for analysis of a script, work with a given scenic design, and imagine the action of the play and how you will enhance the dramatic experience with light.

Goals: The goal is to develop a complete lighting paperwork package that would be acceptable in a professional venue, and would be appropriate for our shop at UF. It is also a way for you to develop visuals ideas that are relevant and useful in presenting your lighting ideas to others on the creative team.

Method: You will learn how to use the unique Luxam fiber optic theatrical lighting system and connect the hybrid illuminators to a console to understand this unique and precise technology.

Project Execution: You will be provided access to my office and the equipment and model. If you wish to use an alternative console, and ARTNet interface can be provided.

Pride in Work: It is expected in this program that you will strive to produce the highest quality work you are capable of. In this environment where you have the luxury of time you will be motivated to sharpen your skills through practice and focused concentration. Much like mastering a musical instrument, I will serve as your guide to be a master of all the techniques both, technical and artistic to be considered a Master of your craft at the conclusion of your program.

Grading: I will base your grade on these factors:

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| - Attitude | -thoroughness | |
| - | | |

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Graduate Lighting Design 1 TPA 5025

Weekly Schedule Fall 2014

Week	Date	Topic	Reading Prepared to Discuss
Week 1	Monday, August 25, 2014	Introduction KELLER DVD and Designers DVD	Introduction to expectations-getting to know each other -Lighting Designers DVD Wilson, Brickman, NYCO Shelly Chapter 1
Week 1	Wednesday, August 27, 2014	Refresher Equipment and paperwork	Keller The History of Light in the Theater, Light and Colour, Handling light and Colour (PP 15-58) , Keller DVD
Week 2	Monday, September 01, 2014	Refresher Equipment and paperwork, optics, lamps and	Shelly 2, and 3
Week 2	Wednesday, September 03, 2014	Preparing for the project - Overview of drafting re-creation project, Contracts..	Shelly 4, Keller Optics, Lamps and Light- (pp 67-94)
Week 3	Monday, September 08, 2014	Lay in Shelly plot in VW - 2 hours only . See how far you get, in my office, TShelly page XVI and XVII	YOU WILL DRAFT IN CLASS
Week 3	Wednesday, September 10, 2014	Continue Shelly discussions Plots, paperwork, load ins, focus, cue construction, Vectorworks check-up ? How good and how fast are you ?	Shelly 5,6 Bring your laptop tops with VW spotlight working.
Week 4	Monday, September 15, 2014	Review in class drafting results. Discuss systems, Load in and Focus Live focus session. Black Box.	Shelly 7, 8,12 Live focus in Black Box
Week 4	Wednesday, September 17, 2014	WYSIWYG overview	Keller - Light and Lighting Design, Conceptual lighting design (pp173-188)
Week 5	Monday, September 22, 2014	Listen to music, discuss design approach- WYSIWYG continued	REVIEW and CRITIQUE DRAFTING PROJECT MUSIC FOR PROJECT DUE !
Week 5	Wednesday, September 24, 2014	WYSIWYG scenery, positions, views, focus	Shelly 9 (focus and level setting) Whole Hog introduction
Week 6	Monday, September 29, 2014	WYSIWYG - movers, patching, design, perform level	More Hog/Programming
Week 6	Wednesday, October 01, 2014	Discuss Keller- Whole Hog demos	Keller Lighting Consoles (pp 147-168) Shelly 13
Week 7	Monday, October 06, 2014	WYSIWYG Lab Day	Studio Day- Bring computers or work on lab machines
Week 7	Wednesday, October 08, 2014	WYSIWYG Lab Day	Introduction to the Fiber Optic Lab system
Week 8	Monday, October 13, 2014	fiber optic lab set-up	
Week 8	Wednesday, October 15, 2014	Work Music Project	
Week 9	Monday, October 20, 2014	Work Music Project	

Week 9	Wednesday, October 22, 2014	Present Music WYG music Project	View/Critique (2) Music projects
Week 10	Monday, October 27, 2014	Doing the light in the theatre how to work in the technical process	View/Critique (2) Music projects
Week 10	Wednesday, October 29, 2014	Fiber optic training	Model Set-ups
Week 11	Monday, November 03, 2014	Fiber optic training	Control of Fiber optics for cueing
Week 11	Wednesday, November 05, 2014	Discuss Diary of Anne Frank- analyze models	Homecoming
Week 12	Monday, November 10, 2014	Review Cue Scores and Fiber Optic Plots	<i>Fiber lab work day</i>
Week 12	Wednesday, November 12, 2014	Presentation day	Fiiber Project Presented (1)
Week 13	Monday, November 17, 2014	Presentation day	Fiiber Project Presented (1)
Week 13	Wednesday, November 19, 2014	Presentation day	Fiiber Project Presented (1)
Week 14	Saturday, November 24, 2012	Presentation day	
	11/26/2014 - 11/29/2014	Thanksgiving Break	
Week 14	Monday, December 01, 2014		
Week 15	Wednesday, December 03, 2014		Final Project Presented (1)
Week 15	Monday, December 08, 2014		Final Project Presented (1)
Week 16	Wednesday, December 10, 2014	Last Day- Wrap up Evaluation	
	DUE DATES		
	Drafting Project Plots DUE SEPT 22nd		
	Music Projects DUE OCT 22 and 27		
	Final Model Presentations November 12,17,19		
	Final Play 1st review Dec 3,8		
	Final Play due Dec 19 at the latest		