

Facade Lighting Design –TPA 4930/6930

Course Syllabus Fall 2020

The University of Florida College of the Arts

School of Theatre and Dance, Professor Stan Kaye

Essentials.

Office Hours Via Zoom Monday & Wednesday 11:00- 11:45

Class Meets T TR – 2 & 3 (8:30 – 10:25)

MESSAGES: DEPARTMENT OFFICE 273-0510 direct line

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

Email AIL: STANKAYE@arts.ufl.edu (CHECKED FREQUENTLY)

TEXTS:

NOTE: Reading assignments should be completed for the week in which they are scheduled.

BIG NOTE:

Students are expected to spend 2-3 hours per credit hour per week on work outside of class on the subject matter of the class. This means that you should be spending at least 9 hours per week on subject matter per week. In my view this is a *minimum*, ours is a highly technical and artistic field that is changing at breathtaking speed.

This Syllabus is subject to change. There may be additional exams and projects should I feel they are necessary. Please keep up or stay ahead of the schedule. I will announce any additional projects or exams at least 24 hours in advance.

Project objectives:

Purpose:

- To apply the principals of theatrical lighting aesthetics and technical know how to architectural façade lighting on a large complex public space on the UF campus.
- To learn how to design lighting as a performative storytelling device in a architectural context.

Goals:

- Students will become familiar with design and technical modes of working at extremely large scale.
- Students will be exposed to architectural methods, philosophies, and metrics
- Students will follow a typical architectural design process culminating in a complete and well organized design package.

Method:

- Via class discussions students will explore images and best practices of lighting methods
- Via studio work students will explore design strategies to achieve design and technical goas

- By reading and discussion of municipal codes, environmental and accepted methods student will become familiar with professional practice

Software recommendations.

Student teams may use any combination of the following software:

- Vectorworks Spotlight 2020 student edition or (latest edition) –
- Lighting Design Software: Student Version. WYSIWYG Student or Design or you may use the lab machines.

This link will help you get the software. You need to get this software up and running immediately. \$ 99.00 per year.

<https://cast-soft.com/students/>

- Autodesk Revit or 3Ds Max student accounts can be made here:

<https://www.autodesk.com/education/home>

- Dialux EV (Free) <https://www.dial.de/en/dialux/>
- Lumion 3D Rendering Software https://lumion.com/3d-rendering-software.html?utm_source=GoogleAds&utm_medium=lumion&utm_campaign=LumionGeneric&gclid=EAlaIQobChMIkqvU4dO76glVicDACH30Ggl0EAAYASAAEgLsovD_BwE

Computer System:

Required: Computer system, Lap-Top or desktop capable of running your groups software of choice.

GRADING BREAKDOWN:

1. Quizzes on Practical Guide to Stage Lighting = 123 points

Project phase: # 1- Program Statement = **100** points

Project phase: # 2 = Research and Development = **150** points

Project phase: # 3 = Preliminary Schematic Plan = **250** points

Project phase: # 4 = Final Schematic Plan = **150** points

Project phase: # 5 = Design Development = **150** points

Project phase: # 6 = Medium Quality Render Tests = **100** points

Project phase: # 7 – Final Layout and Bill of Materials – **150** points

Project phase” # 8 = Control Systems – **100** points

Project phase # 9 - Budgets and Logistics = **100** points

Project phase # 10 – High Quality Renders and Fly Throughs = **250** points

Project phase # 11 – 90 % Design and Paperwork package = **200** points

Project Phase # 12 – 100 Design and Paperwork package = **500** points

Class Participation – Discussion, participation of collaborative reviews and peer reviews. **300** points

Total points available = 2,500 points

Final Project

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 uploaded to Canvas in PDF format.

LIGHTING LABORATORY ACCESS:

The Lighting lab Will be accessible by signing out time in advance on the lab schedule on the board by the lab. **This is suspended during COVID – 19**

Notes on Assignments and Projects:

- 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

Graduate Lighting Design 1 TPA 5025

Weekly Schedule Fall 2020

Week	Date	Topic	Reading Prepared to Discuss
Week 1	Sept 1 & 3	Introduction to class goals- Façade Lighting History – Space Cannon- what is the program statement	Review Space Cannon History on Canvas- PP 1-76 prepare to discuss in class Read DG-7-1994 Section 1 , 2.0-2.8
Week 2	Sept 8 & 10	Thursday is Group Studio Breakout	Read RP-33 Section 1.0, 2.0, 3.0 prepare to discuss
Week 3	Sept 15 & 17	View inspirational videos – what is research and development Thursday is group breakout/studio	.Read RP-33 4.0, 5.0, 6.0 prepare to discuss

Week 4	Sept 23 & 24	What is expected in a preliminary schematic Thursday is group breakout/studio	.Read RP-33 section 8.0 prepare to discuss
Week 5	Sept 29 & Oct 1	What is expected in the final schematic? Thursday is group breakout/studio	Read RP-33 section 9.0 prepare to discuss.
Week 6	Oct 6 & 8		
Week 7	Oct 23 & 15	What is design development ? Thursday is group breakout/studio Single Line Riser diagrams	Read RP-33 Section 10.0 prepare to discuss
Week 8	Oct 20 & 22	Medium Quality renders- Intro to Lumion, and	Read RP-33 Section 11.0 prepare to discuss

		Dailux – and other software's Thursday is group breakout/studio	
Week 9	Oct 27 & 29	What is a final layout and bill of materials ? Thursday is group breakout/studio	Read RP-33 Section 12.0 prepare to discuss
Week 10	Nov 3 & 5	Budgets, logistics and Power consumption calculations Thursday is group breakout/studio	Read RP-33 Section 13.0 prepare to discuss
Week 11	Nov 10 % 12	Architectural Control systems- ETC Mosaic (one example)	Watch video series on Mosaic https://youtu.be/MjU1q8dbtGE

Week 12	Nov 17 & 19	Budgets, Logistics and Power consumption	
Week 13	Nov 25 & 26	High quality Renders and fly throughs	
Week 14	Dec 1 & 3	90% Paperwork package— review and critique in class	
Week 15	Dec 8	Final presentations	

Critical Dates			
	Program Statement	September 10th	
	Research and Development	September 17th	
	Preliminary Schematic	Sept 24th	
	Final Schematic	October 1st	
	Design Development		
	Medium Quality Rendering Test	October 15th	
	Final Layout and Bill of Materials	October 29th	
	Control Systems	November 5th	

	Budgets, Logistics and Power consumption	November 12 th	
	High Quality Renders and Fly through videos	November 26 th	
	90% Package review and comment	Dec 3 th	
	100 % Design and Paperwork Package	Dec 8 th	

Appendix for Project Description

See Canvas Rubrics for grading.

You are expected to deliver:

Your **final project package** should include the following:

- Schematic plans – overhead views
- Detailed or “zoomed in” schematic plans – overhead views
- Schematic sections – large scale and “zoomed in”
- Mounting details
- Design narrative
- Research and development – and inspiration
- Design development documents
- High quality renders and fly through
- Dynamic cuing/changes that illustrate your design narrative

Grading:

See Canvas Rubrics

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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

392-1575

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

ATTENDANCE AT PERFORMANCES:

Since production is the laboratory for all theatre courses, attendance at all mainstage Department of Theatre and Dance productions is required of students enrolled in classes with the following prefix designations: THE, TPA, TPP, ORI. Critiques of and/or responses to these productions may be required.

USE OF ELECTRONIC DEVICES:

The use of cell phones or other mobile devices is disruptive, and therefore is prohibited during class. Except in emergencies, those using such devices must leave the classroom for the remainder of the class period.

Students are not permitted to use computers during class without specific permission from the instructor, and in that case, students using the computer for work not related to the

class must leave the classroom for the remainder of the class period. Classes may not be recorded without express permission from the instructor.

ONLINE COURSE EVALUATIONS:

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students <https://evaluations.ufl.edu/results/>

COVID

Students who elect to enroll in a hybrid course are expected to participate in in-person instruction. If a student feels unsafe attending in-person, the student should elect courses that are delivered online only and plan to take the hybrid course in a future semester. In the case that the student does not have the option to take the class at a later time (ie. a graduating senior), the student must make arrangements with the instructor to "attend" all class meetings synchronously, when available, or synchronously if approved by the instructor."

*COVID-19 Accommodation: Students who are medically required to quarantine will have documentation from a medical provider. Students who self-quarantine must communicate with the instructor and "attend" courses remotely synchronously, when available, or asynchronously if approved by the instructor."

