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 goals.
• 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/](https://cast-soft.com/students/)

• Autodesk Revit or 3Ds Max student accounts can be made here: [https://www.autodesk.com/education/home](https://www.autodesk.com/education/home)

• Dialux EV (Free) [https://www.dial.de/en/dialux/](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=EAIaIQobCMIkqvu4dO76gIYicDACH30Ggl0EAAYASAAEgLsoyD_BwE](https://lumion.com/3d-rendering-software.html?utm_source=GoogleAds&utm_medium=lumion&utm_campaign=LumionGeneric&gclid=EAIaIQobCMIkqvu4dO76gIYicDACH30Ggl0EAAYASAAEgLsoyD_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
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Reading Prepared to Discuss</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Sept 1 &amp; 3</td>
<td>Introduction to class goals - Façade Lighting History – Space Cannon - what is the program statement</td>
<td>Review Space Cannon History on Canvas- PP 1-76 prepare to discuss in class Read DG-7-1994 Section 1, 2.0-2.8</td>
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<td>Week 2</td>
<td>Sept 8 &amp; 10</td>
<td>Thursday is Group Studio Breakout</td>
<td>Read RP-33 Section 1.0, 2.0, 3.0 prepare to discuss</td>
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<td>Week 3</td>
<td>Sept 15 &amp; 17</td>
<td>View inspirational videos – what is research and development Thursday is group breakout/studio</td>
<td>Read RP-33 4.0, 5.0, 6.0 prepare to discuss</td>
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<td>Week 4</td>
<td>Sept 23 &amp; 24</td>
<td>What is expected in a preliminary schematic? Thursday is group breakout/studio.</td>
<td>Read RP-33 section 8.0 prepare to discuss</td>
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<tr>
<td>Week 5</td>
<td>Sept 29 &amp; Oct 1</td>
<td>What is expected in the final schematic? Thursday is group breakout/studio.</td>
<td>Read RP-33 section 9.0 prepare to discuss.</td>
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<td>Week 6</td>
<td>Oct 6 &amp; 8</td>
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<td>Week 7</td>
<td>Oct 23 &amp; 15</td>
<td>What is design development? Thursday is group breakout/studio. Single Line Riser diagrams.</td>
<td>Read RP-33 Section 10.0 prepare to discuss</td>
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<td>Week 8</td>
<td>Oct 20 &amp; 22</td>
<td>Medium Quality renders- Intro to Lumion, and</td>
<td>Read RP-33 Section 11.0 prepare to discuss</td>
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<td>Week 9</td>
<td>Oct 27 &amp; 29</td>
<td>What is a final layout and bill of materials? Thursday is group breakout/studio</td>
<td>Read RP-33 Section 12.0 prepare to discuss</td>
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<td>Week 10</td>
<td>Nov 3 &amp; 5</td>
<td>Budgets, logistics and Power consumption calculations Thursday is group breakout/studio</td>
<td>Read RP-33 Section 13.0 prepare to discuss</td>
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<td>Week 12</td>
<td>Nov 17 &amp; 19</td>
<td>Budgets, Logistics and Power consumption</td>
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<td>Week 13</td>
<td>Nov 25 &amp; 26</td>
<td>High quality Renders and fly throughs</td>
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<td>Week 14</td>
<td>Dec 1 &amp; 3</td>
<td>90% Paperwork package—review and critique in class</td>
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<td>Week 15</td>
<td>Dec 8</td>
<td>Final presentations</td>
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<tr>
<td>Program Statement</td>
<td>September 10th</td>
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<td>Research and Development</td>
<td>September 17th</td>
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<td>Preliminary Schematic</td>
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<td>Final Schematic</td>
<td>October 1st</td>
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<td>Design Development</td>
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<td>Medium Quality Rendering Test</td>
<td>October 15th</td>
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<td>Final Layout and Bill of Materials</td>
<td>October 29th</td>
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<td>Control Systems</td>
<td>November 5th</td>
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<td>Task</td>
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<tr>
<td>Budgets, Logistics and Power consumption</td>
<td>November 12th</td>
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<td>High Quality Renders and Fly through videos</td>
<td>November 26th</td>
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<td>90% Package review and comment</td>
<td>Dec 3th</td>
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<td>100 % Design and Paperwork Package</td>
<td>Dec 8th</td>
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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

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](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/](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 (i.e. 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.*