**ENT 4450 - Lighting Design Spring 2022**

*The order of lectures and labs may be changed during the course of the semester. Every effort will be made to inform the class of changes a week ahead of time.*

| ENT4450 LIGHTING DESIGN Spring-2022 CALENDAR | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| # | DATE |  | CLASS TOPIC | Blackboard  Content | Main Design Project | Assignments  HW |
| **Week**  **1** | **Wed**  **Feb**  **2** | **Online**  **Review**  **on Blackboard**  **content**  **-Week 1-**  **by**  **Feb 2** | **Introduction**  **Conventional Fixtures Review**  -Class Introduction  -Lighting Conventional Fixtures for Live Entertainment  review and discuss | **Week 1 Folder**  **Lighting Lab #1**  Lighting Fixtures | Explain Percentages for grading the Main Design Project | **Blackboard**  -Read Chapter 19 from Concert Lighting  (On Blackboard)  -Take the quiz1: Lighting Fixtures  -Read Qualities and Functions Of Light *by Durham* |
| **WED**  **Feb 2**  **4pm**  **V119**  **in Person** | **Lab#1**  **Conventional Fixtures**   * Student Presentations * Review/ Demo |
| **Week**  **2** | **Feb 9** | **Review**  **on Blackboard**  **content**  **-Week 2-**  **by**  **Feb 9** | **Lighting Intro**  -Properties of light - Review  -Light Distribution - Lecture  -Review Examples Lighting using angles intentionally, Theater, Music, Film, etc | **Week 2 Folder**  **-**Lecture -Photometrics  -Documents  -Links  **-Lighting Lab # 2** | -Main Design Project assigned  -Explain Document’s exchange process for Main Design Project | -Setup Dropbox account  -Finish **Light Distribution Lab**  -Find Video of Band Performing Live to post on discussion board: General information  -Read Lighting angles from Mark Keller’s Book |
| **WED**  **Feb 9**  **4pm**  **V119**  **in Person** | **Lab#2/ Light and Distribution**  -Finding the right angle for the application using pictures |
| **Week**  **3** | **Feb 16** | **Review**  **on Blackboard**  **content**  **-Week 3-**  **by**  **Feb 16** | **Light and Brightness**  -Photometrics Intro -Lecture  -Fixture’s beam diameter and the Inverse Square Law | **Week 3 Folder**  **-**Lecture -Photometrics  -Documents  -Links  -**Lighting Lab # 3**  Brightness |  | -Complete Band General Information in the discussion board  -Quizz # 2  -Complete Download of Vectorworks in your computer |
| **WED**  **Feb 16**  **4pm**  **V119**  **in Person** | **Lab #3/ Light and Brightness**  -Foot Candles and Lumens  -Lighting Positions at Voorhees Theater. Taking important measurements at the space. |
| **Week**  **4** | **Feb23** | **Review**  **on Blackboard**  **content**  **-Week 4-**  **by**  **Feb 23** | **The Lighting Design Process**  Approaches to Lighting for Different types of Live Entertainment.  -Live Music, examples  -Theater, Examples  -Fashion, Examples,  -TV and Video, Examples | **Week 4 Folder**  **-**Lecture  -Documents  -Links  **Lighting Lab # 4**  -Photometrics | -Develop Stage Plot for Band Project  -Students present and review Videos from selected bands | * Add stage Plot (PDF) and details from Band Assignment to the discussion board   **Blackboard**   * Complete Photometrics assignment |
| **WED**  **Feb 23**  **4pm**  **V119**  **in Person** | **Lab #4/ Photometrics**  -Comparing ellipsoidal reflectors  -Photometrics assignment  Student Propose a Convenient Front Light System and demonstrate fixture degree choices |
| **Week**  **5** | **March**  **2** | **Review**  **on Blackboard**  **content**  **-Week 5-**  **by**  **March 2** | **Color and Light 1**  -Color as a Physical medium  -Applications, Examples | **Week 5 Folder**  **-**Lecture onPhotometrics  -Documents  -Links  **Lighting Lab # 5**  **-**WV intro Lab | Design Lab - VW  Template | -Choose 5 songs for the Band Project  -Choose one Picture per song that in your opinion connects to the story   * Finish drafting Voorhees theater outline in VW and post it on Dropbox   -Virtual swatch book from Rosco  <https://us.rosco.com/en/mycolor> |
| **WED**  **March 2**  **4pm**  **V119**  **in Person** | **Lab #5/**  **Vectorworks Lab**  -Title Block and setting paper sheets in VW  -Drafting the Voorhees Theater |
| **week**  **6** | **March**  **9** | **Review**  **on Blackboard**  **content**  **-Week 6-**  **by**  **March 9** | **Color and Light 2**  -Color as story telling tool  -Applications, Examples | **Week 6 Folder**  -**Lecture** *Color and Light*  -**Reading**  *Clifton Taylor, Color and Light Ch1 why color?*  -Links Article,Ideas [ted.com](http://ted.com) [how color helps a movie tell its story](https://ideas.ted.com/how-color-helps-a-movie-tell-its-story/) | Colors schemes assigned for 5 songs using 5 related pictures | -Finish Color schemes  -Video, Lee Filters [How Color works](https://www.youtube.com/watch?v=TzIF1w4j1k0)  -Rosco gels, [How to properly choose a color filter](https://www.rosco.com/spectrum/index.php/2016/04/how-to-properly-choose-a-color-filter/) |
| **WED**  **March 9**  **4pm**  **V119**  **in Person** | **Lab #6/ Color and light**  -Creating Color Schemes |
| **week**  **7** | **March**  **16** | **Review**  **on Blackboard**  **content**  **-Week 7-**  **by**  **March 16** | **Lighting Systems**  -Approaches to create lighting systems for Live Entertainment  -Lighting Fixtures: Moving Lights and LEDs | **Week 7 Folder**  -Documents  -Links  **Lighting Lab # 7**  -Create the systems of your show using Power point | Create Lighting systems for **Band Project** | -Post Lighting systems to Dropbox and make corrections based on feedback |
| **WED**  **March 16**  **4pm**  **V119**  **in Person** | **Lighting Lab # 7**  Lighting Systems Lab |
| **week**  **8** | **March**  **23** | **Review**  **on Blackboard**  **content**  **-Week 8-**  **by**  **March 23** | **The Lighting Plot and The Lighting Section**  -Drafting the Light Plot Intro  -Importance of the Lighting Section | **Week 8 Folder**  -Documents  -Links  **Lab #8**  Draw Lighting positions available at the Voorhees in Vectorworks |  | -Assign Script to read |
| **WED**  **March 23**  **4pm**  **V119**  **in Person** | **Lab #8/ Vectorworks 2**  Drawing Lighting Positions |
| **week**  **9** | **March**  **30** | **Review**  **on Blackboard**  **content**  **-Week 9-**  **by**  **March 30** | **Lighting for Theater**  -Concept analysis  -Lighting requirements (the Laundry List)  -Lighting Approaches to Great Ideas  -Subjective Vs Objective responses | **Week 9 Folder**  **-Lecture-Concept**  -Documents  -Links  **Lighting Lab # 9**  -Create a laundry list  -Provide a list of details useful for the Design like Time, place, characters, existent situations, conveyed emotions, etc | Choosing Lighting Fixtures | -Finish and correct Laundry List  -Translate Laundry list into lighting systems |
| **WED**  **March 30**  **4pm**  **V119**  **in Person** | **Lab #9/ Design from a Theatrical Script**  Dissecting a script, “Bloom” |
| **week**  **10** | **April**  **6** | **Review**  **on Blackboard**  **content**  **-Week 10-**  **by**  **April 6** | **Lighting for Theater 2**  The Cue List  Examples of Cue lists | **Week 10 Folder**  -Documents  -Links  -**Videos,**  -[Lightwright Intro](https://www.youtube.com/watch?v=_gsLVrw-hq0&list=PLeFi_pQNju9yLaOsP8oq1RkcfQruswc2d&index=7&t=0s)  -[Reading a Light Plot](https://www.youtube.com/watch?time_continue=231&v=glIQawMWvjM&feature=emb_logo)  **Lighting Lab # 9**  Cue lists | LW Intro Tutorial | Download LW  Quiz # 3 |
| **WED**  **April**  **6**  **4pm**  **V119**  **in Person** | **Lab #10/ The Cue List**  Creating a Cue List based on a script |
| **week**  **11** | **April**  **13** | **Review**  **on Blackboard**  **content**  **Week 11**  **by**  **April 13** | **The Drawing package**  -The Instrument schedule and the Channel Hook up  -Lightwright Intro tutorial | **Week 11 Folder Reading**  -The Instrument Schedule and -Channel Hook up, *Steven Shelley*  - Links to examples   * Videos   **Lighting Lab #11**  Develop Paperwork | Develop Paperwork for Band Project | Finish Instrument schedule and a channel hook up for the Band Project and post them on Dropbox |
| **WED**  **April**  **13**  **4pm**  **V119**  **TBD** | **Lighting Lab #11**  -Develop an instrument schedule  -Develop a Channel Hookup |
|  | **April**  **20** | **NO CLASSES - SPRING BREAK** | | | | |
| **week**  **12** | **April**  **27** | **Review**  **on Blackboard**  **content**  **Week 12**  **by**  **April 27** | **The Drawing package** **2**  -Magic sheets  -The Shop Order | **Week 12 Folder**  **Reading**  *-Magic Sheets*  **Reading,**  *-The complete Shop Order, Mc Kernon*  **Video,**  -VW Tutorials  -Class conference  **Lighting Lab #12**  Develop Paperwork 2 | Develop Paperwork for Band Project | Finish Magic Sheets and Shop Orders for the Band Project and post them on Dropbox |
| **WED**  **April**  **27**  **4pm**  **V119**  **TBD** | **Lighting Lab #12**  -Develop a Magic Sheet  -Develop a Shop Order |
| **Week**  **13** | **May**  **4** | **Review**  **on Blackboard**  **content**  **Week 13**  **by**  **May 4** | **Cueing a Music show**  Exploration of Music to develop lighting Cues | **Week 13 Folder**  **Reading,**  [PLSN Magazine Marc 2020 featured Tours](https://plsn.com/category/archives/march-2020/)  **Lighting Lab #13**  Develop a Cue list | Develop a Lighting cue List for one of the selected songs | Finish Cue List and post it on Dropbox  Quiz #4 |
| **WED**  **May 4**  **4pm**  **V119**  **TBD** | **Lab #13/ Music Cue List**  -Develop a lighting Cue list from using a song’s musical structure |
| **week**  **14** | **May**  **11** | **Review**  **on Blackboard**  **content**  **Week 14**  **by**  **May 11** | **VW Renderworks**  **Take Final Test**  **Paperwork Due in Dropbox** | **Week 14 Folder**  **-**Documents  -Tutorials  -Links  **Lighting Lab #14**  VW Renderworks | Band Project Renders | -Finish Renders  -Build presentation |
| **WED**  **May 4**  **4pm**  **V119**  **TBD** | **Lab #14/ VW Renders**  -Develop a Render |
| **week**  **15** | **May**  **18** | **Review**  **on Blackboard**  **content**  **Week 14**  **by**  **May 11** | **Final Presentations**  -Post presentations and paperwork on Blackboard  -Take Final exam on Blackboard | Grades | Final Presentations |  |
| **WED**  **May 18**  **4pm**  **V119**  **TBD** | **Final Presentations**  In Person |