**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 |
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| # | DATE |  | CLASS TOPIC | BlackboardContent | Main Design Project | AssignmentsHW |
| **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 Entertainmentreview 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
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| **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 - VWTemplate | -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 ListExamples 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 LWQuiz # 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 DropboxQuiz #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 |