Lighting Design
THEA 4375.001 Spring 2020
MWF 11 - 11:50 CCH 209, Wilson and Warren Theatres (check schedule)
Office hours MWF 10-11, T, TH 11 - 12 and by appointment
Professor Philip Johnson  email: Philip.Johnson@tamucc.edu
825-2361 / BAY HALL 321

This syllabus is intended to fulfill the requirements for posting syllabi for the State of Texas, Texas A & M University - Corpus Christi, and College of Liberal Arts. The instructor reserves the right to make changes and adjustments to the syllabi prior to the beginning of class and during the semester. Any and all changes will be presented in class. Students will be given ample notice of any changes in order to adjust their schedules and activities to meet the requirements. Any special consideration or concerns should be addressed to the instructor.

Course Description: Stage Lighting - is a course designed to teach the student the process of lighting for the stage, television, film and events. During this course you will be introduced to the principles of lighting, electricity, color theory and design. There is also a hands-on component where you will be required to create lighting for special projects. Students will also have the opportunity to assist in University Theatre productions. This work will give you practical experience, which will benefit your designs and ultimately your grade point. It is your responsibility to arrange your time to attend the lectures, demonstrations, lighting practicals and other class activities.

Student Learning Outcomes
1 Students will demonstrate knowledge of lighting terminology and provide proper definitions and their applications
2 Students will demonstrate proper safety techniques for theatre productions
3 Students will demonstrate Lighting design as it pertains to theatre production, apply its principles and practices and demonstrate them successfully
4 Students will rotate through the various positions of the lighting crew and design teams to better understand the process each theatre artist accesses in the design process.
5 Students will create appropriate paperwork to document their understanding of stagecraft and its role in the theatre production process
6 Students will utilize the computer programs Vectorworks and Wysiwyg to create paperwork and implement their designs and integrate them into productions

The course will be organized in these areas:

Review of lighting as per Shelley
  Review of basic lighting info from stagecraft
  The light plot, what's in it and what does it mean
  Basic lighting terminology
  Basic theories and formulas
  Lighting fixtures and equipment
  Where to find and how to read cut sheets and manuals
  Lighting accessories
  Programming and organization
  The people who make lighting work

The duties of a stage electrician as per Cadena
  Principles of Electricity,
  Principles of Stage Lighting and putting in a show
  Practice of hanging a show, circuiting, patching, focusing,
  Programming the board and running the show
  Drafting and maintaining the paperwork of the theatre

Creating the light plot.
  Drafting of floor plans, sections and elevations, light plots, detail drawings,
  Paperwork such as shop lists, instrument schedules, cut sheets, etc.
  Organizing the work flow from plot to show

Theatre safety and tool use
Safety orientation covering shop rules and procedures
Training and sign off for all equipment used in lighting
Ladder and Scissor lift training

Friday practical exams
Basic lighting skills
Problem solving and troubleshooting
How to run a crew
Strikes

Application of computer technology
Vectorworks and Hand drafting techniques
Previz and using a visualizer such as Vision or Wysiwyg
Lightwright paperwork program. Making it work
Qlab and projections/automation/show control

Lighting projects
Paper projects –Complete rep plots for the Wilson and Warren theatre
Dance demo and pre-vizing a dance piece and making it work on stage
40-minute play festival design. Process, paperwork, and actual design

ON-Line Content
Cadena’s book is done on-line and is part of added content that the entertainment electrician needs for employment.
Students wishing to learn more about electricity and gain advanced knowledge should do this portion

Credit is based upon Projects, Participation in theatre activities including productions, Attendance in Class, Crew work, Labs, Work calls, and Strikes. Included on this syllabus is a calendar of assignments to allow for schedule adjustments.

Text
A Practical Guide to Stage Lighting. Steven Louis Shelley

Suggested books to also purchase, if you are going into a lighting career.

Electricity for the Entertainment Electrician & Technician; Richard Cadena
Automated Lighting, The Art and Science of Moving light in Theatre, Performance, Broadcast and Entertainment; Richard Cadena,
Photometrics Handbook; Robert C Mumm,

Required Materials
Adjustable wrench. You must bring your own to lighting class and light labs.
Drawing and Rendering Materials – Sketch pad, pencils, color media

Project Descriptions
Shelley on-line quizzes - Chapter quizzes taken on-line in BB
Cadena on-line quizzes- Chapter quizzes take on BB
Friday Light lab – practical projects due in class
Paperwork for the electrician
Basic plot 1 – Warren repertory plot for general festival use
Basic Plot 2 – Wilson repertory plot for general festival use
Project 3 – Paper project – Creating a concept for a show and providing a vignette
Project 4 – Special Effects- Create lighting using special effect/practical
Project 5 – 40 Minute Play Festival –light plot and all supporting paperwork
Project 6 - Dance Demo – Collaborate with choreographers to create lighting looks for their dance piece. Set up, gel and focus lights in PAC. Cue the lights for your dance piece.

Grading There will be a midterm exam and projects, which will test your knowledge of the material and ability to grasp the concepts of lighting. There will also be 5 projects where you will create lighting designs in physical space, on paper and on the stage. You can also benefit your grade with lab attendance.
Grading breakdown
A = 1000–900
B = 899–800
C = 799–700
D = 699–600
F = below 600

Shelley on-line quizzes 100 pts.
Cadena on-line quizzes 100 pts.
Paperwork projects 100 pts.
Basic plot 1 – Warren 100 pts.
Basic plot 2 – Wilson 100 pts.
Project 3 – Concept and Vignette 200 pts.
Project 4 – Special Effects 100 pts.
Project 5 – 40 Minute Play Festival 100 pts.
Project 6 - Dance Demo 100 pts.

Total 1000 pts.

Conduct in class, computer lab, practicum, work calls and other theatre activities.
It is required you are engaged in the class and all associated activities. Your attention to lectures, demonstrations and practicals will affect your grade. As a part of your conduct it is required you turn off cell phones, to not use the computers for activities other than related to the course and to arrive at practicum and work calls suitable attired and ready to work. Also, please keep your conversations directed towards the class and related topics. Talking to your fellow classmate not related to class is disrespectful and distracting. Don’t embarrass yourself by being called out for talking or being asked to leave the class. Failure to observe good conduct will place your grade in jeopardy and possible expulsion for class, calls and departmental activities. If you have any questions regarding conduct please consult with the instructor.

Faculty Responsibility
It is to the student’s advantage to be aware of their progress in the course. At any time you would like to discuss your progress I am available during office hours or by appointment. If there are special considerations, which need to be made, please contact me directly.

Other relevant course information

Attendance policy.
Attendance in all theatre courses is critical to your success. For purposes of grading, only excused absences will be recognized as a valid reason for missing class. (Including absences for recognized religious holidays, death in your family, doctor’s excuse with documentation or approved university functions) your absence affects the progress of the entire class. Each absence in excess two in classes meeting two times per week will lower your average a full letter grade. More than four absences in a course meeting two times per week will result in a falling grade for the course. Exceptions under extreme circumstances may be made at the discretion of the instructor. Stagecraft meets 2 days a week so the 2-absence rule will be applied. Note: You must consult with your instructor immediately to make such and exception viable.

Lateness:
Late arrivals constitute an absence; if you arrive more than fifteen minutes late you will be considered absent so don’t be late. There is a saying in our department and it goes like this: To be early is to be on time. To arrive at the appointed time is to be late. Time management skills are considered by the faculty as one of the most significant tools of the profession. The practice and development of these skills is expected.

Conduct in class, computer lab, practicum, work calls and other theatre activities.
It is required you are engaged in the class and all associated activities. Your attention to lectures, demonstrations and practicals will affect your grade. The use of cell phones and all other personal electronic equipment, not necessary for medical reasons, is not permitted. The use of these items in class is a distraction. Checking of these items during class, even
for the time, will result in a loss of participation points for the day. As a part of your conduct it is required you turn off cell phones, to not use the computers for activities other than related to the course and to arrive at practicum and work calls suitably attired and ready to work. Failure to observe good conduct will place your grade in jeopardy and possible expulsion for class, calls and departmental activities. If you have any questions regarding conduct please consult with the instructor.

**Academic Integrity/Plagiarism**

University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a grade of an F and you will be reported to the Dean of Students and Academic Affairs for Disciplinary Action.

**Academic Advising**

The College of Liberal Arts requires that students meet with an Academic Advisor as soon as they are ready to declare a major. Degree plans are prepared in the CLA Academic Advising Center. The University uses an online Degree Audit system. Any amendment must be approved by the Department Chair and the Office of the Dean. All courses and requirements specified in the final degree plan audit must be completed before a degree will be granted. The CLA Academic Advising Office is located in Driftwood #203. For more information please call 361-825-3466.

**Dropping a Class**

I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. The last day to drop a class with an automatic grade of “W” this term is April 10th, 2020.

**Classroom/professional behavior**

Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

**Statement of Civility (can be in place of classroom/professional behavior)**

Texas A&M University-Corpus Christi has a diverse student population that represents the population of the state. Our goal is to provide you with a high quality educational experience that is free from repression. You are responsible for following the rules of the University, city, state and federal government. We expect that you will behave in a manner that is dignified, respectful and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.

**Grade Appeals**

As stated in University Procedure 13.02.99.C0.03, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C0.03, Student Grade Appeal Procedures. For assistance and/or guidance in the grade appeal process, students may contact the Dean’s office in the college in which the course is taught or the Office of the Provost. These documents are accessible through the University Rules Web site at: [http://academicaffairs.tamucc.edu/rules_procedures/assets/13.02.99.c0.03_student_grade_appeals.pdf](http://academicaffairs.tamucc.edu/rules_procedures/assets/13.02.99.c0.03_student_grade_appeals.pdf)

**Disabilities Accommodations**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights
protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call or visit Disability Services at (361) 825-5816 in Corpus Christi Hall 116.

If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

Green Zone
I have taken the Green Zone training on campus and support our veterans. Also suggest you check out http://vets.tamucc.edu/transition.php if you are in need of more information. You are welcome to come and talk about the course or other issues you may be having and I will help you as much as I am able. If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

Statement of Academic Continuity*
In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.
*Recommended by university, language provided that mirrors language used in other publications such as the student handbook or rules/procedures.

Lighting Design Spr 2020

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<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Prep for class</th>
<th>Assignment</th>
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<tbody>
<tr>
<td>20-Jan</td>
<td>Martin Luther King Day - No Class</td>
<td>Prep for class</td>
<td>Assignment</td>
</tr>
<tr>
<td>22-Jan</td>
<td>Orientation - Cover Syllabus and make initial assignments for the course. Cadena’s Electricity for the Electrician &amp; Technician is all on-line</td>
<td>Make sure you have all the materials for class</td>
<td>Syllabus Quiz on Blackboard to be completed before next class</td>
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<tr>
<td>24-Jan</td>
<td>Tour and scavenger hunt for our spaces. Students will be given a list of things to find in the spaces</td>
<td>Download scavenger hunt document and bring to class</td>
<td>Complete form in class</td>
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<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>27-Jan</td>
<td>Ladder and scissor lift training session. Class practical on ladder and scissor lift. Inspection, usage, and taking care of equipment</td>
<td>Review ladder and scissor lift training and pass quiz</td>
<td>Quiz on Blackboard to be completed before class. Due by 11 am Jan 27. Practical test will take place M-F by appointment with Phil. Sign-up sheet will be available in class</td>
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</table>
29-Jan  Vectorworks basic training- Students will be given an assignment to worked on in class. Basic lighting drafting should be reviewed from Stage. Warren and Wilson plots are assigned. Students need to schedule appointment to go over designs as they are due by Feb 27

31-Jan  A Lighting Review - Review the first chapter of Shelley's Practical guide- Discussion in class will be in 3 parts. Part 1 is basic principles through page 18

3-Feb  A Lighting Review continues P 18 - 42. The lighting console, programming, fixtures, accessories

5-Feb  Finish Chapter 1  P43 to end
Tech Rider Project - Create a technical rider that lists all the important elements for lighting for people wanting to use our theatres. Include details of the stage, equipment, and specifics - Due by Monday Feb 10 on blackboard

7-Feb  Chapter 2 Paperwork - Go over the paperwork specifics of lighting design and its processes including approvals, paper trails, collaborating, sharing and managing the paperwork

10-Feb Assign workgroups for first project. Create a schedule of deadlines and accountability. Start working on the project

12-Feb  Background Preparations and Prelim design discussion. Review the basic principles and show images for concepts

14-Feb  Focus on the collaboration part of chapter 3. Design teams work in class

Review Vectorworks assignments and complete tutorials before class

In class assignment to be completed in class. Assignment will be available on Blackboard

Chapter 1 - Shelley Begin Discussion of Chapter 1. Reading quiz on blackboard completed by 11 am Jan 31

Continue discuss.

Discuss what would be in our rider as per Shelley. Students are to work in teams to create a technical rider for both our spaces as per needs of the user

Go over the methods for creating paperwork and sharing/collaborating with members of your teams and the professor

Meet in CCH 209 for practical

Collaborating and sharing setups - script for first design will be given out as well. Tech rider project due by 11am

Chapter 3 - Shelley Cover procedures for designing and the paperwork necessary to communicate with others

How to have a design charrette

https://en.wikipedia.org/wiki/Charrette
5
17-Feb  Chapter 4 - The Parameters  Papers due on script analysis  Design workgroups collaborate and discuss

19-Feb  Chapter 5 - Create the preliminary drawings  Concepts and images present in class. Select a look to try and create  Shelly Chapter 5  Go over images

21-Feb  Practical in class - How to mock a look in a theatre lighting lab  Shelly Chapter 6  work on projects in class

6
24-Feb  Group 1 in Wilson for mock ups  CCH 209  If your group is not in the Wilson you are to work on your light plots in the computer lab during the off days.

26-Feb  Group 2 in Wilson for mock ups  CCH 209  Wilson plot is due by Monday at 11 am

28-Feb  Group 3 in Wilson for mock ups  CCH 209

7
2-Mar  Present design mock-ups in class. Group 1  Gentlemen's Guide opens March 2 - 7

4-Mar  Present design mock-ups in class. Group 2  CCH 209

6-Mar  Present design mock-ups in class. Group 3  Cadena’s Electricity content is due by March 16

8
9-Mar  Spring Break

11-Mar  Spring Break

13-Mar  Spring Break

9
16-Mar  Chapter 7 - Compiling the shop order

18-Mar  Chapter 8 - Cuts and changes

20-Mar  Chapter 9 - The Light Plot, Section and support paperwork packet

10
23-Mar  Discussion and ideas for Final projects  This may change as assignments for directors and choreographers are made

25-Mar  Chapter 10 - Load in and focus packet

27-Mar  Chapter 11 - Cue Construction and pre viz
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<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>30-Mar</td>
<td>USITT in Houston</td>
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<tr>
<td>1-Apr</td>
<td>USITT in Houston</td>
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<tr>
<td>3-Apr</td>
<td>USITT in Houston</td>
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<tr>
<td>6-Apr</td>
<td>Creating Preliminary Drawings</td>
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<tr>
<td>8-Apr</td>
<td>Continue discussion</td>
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<tr>
<td>10-Apr</td>
<td>Light Renderings</td>
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<td>13-Apr</td>
<td>Dance Lighting discussion</td>
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<td>15-Apr</td>
<td>Work on light plots</td>
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<tr>
<td>17-Apr</td>
<td>Light plots, light renderings, paperwork due</td>
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<td>Strike Antoinette after show on Sunday</td>
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<tr>
<td>20-Apr</td>
<td>Prep for final projects work in class</td>
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<tr>
<td>22-Apr</td>
<td>Load-in and Tech Demo</td>
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<tr>
<td>24-Apr</td>
<td>Load-in and Tech Demo</td>
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<tr>
<td>25-Apr</td>
<td>Dance Demo Performance</td>
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<tr>
<td>27-Apr</td>
<td>Dance lighting Demo in PAC</td>
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<td>29-Apr</td>
<td>Dance tech rehearsals</td>
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<tr>
<td>1-May</td>
<td>40 Minute Plays begin. May 1 - 4</td>
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<td>4-May</td>
<td>Final project work</td>
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<tr>
<td>6-May</td>
<td>Last Day of Class</td>
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<tr>
<td>8-May</td>
<td>Day of the Final</td>
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TBA - Light cues for Dance Demo to board ops
TBA - Light cues for 40 Minute plays for board ops
SAFETY REGULATIONS THEA 2370/THEA 1101/ THEA 4375

The student is responsible for the following while in class, labs and work calls:

1. Attending and receiving an orientation and safety training sessions on inherent hazards, safety rules and regulations required to prevent accidents.

2. Providing insurance and emergency contact info to the instructor.

3. Working to create and maintain safe working environment and conditions, and, reporting to the supervisor and instructor all hazards in the work environment that he/she is unable to correct.

4. Being able and physically capable of performing assigned tasks and to observe all safety rules in the carrying out of these tasks.

5. Informing the supervisor when not able to perform his/her regular or other assigned duties.

6. Wearing or using **ALL** items of protective clothing and equipment provided or required to perform the job safely. Safety goggles, hearing protection, dust masks

7. Contacting his/her supervisor for assistance or instruction when in doubt about how to perform a job or activity safely or accurately.

8. Wearing proper clothing when reporting to work, i.e., no open-toed sandals, flip-flops, high heels, loose sleeves, hair or clothing, etc. These types of clothing could result in, or contribute to, an accident or its severity. You will not be allowed in the class or shop if you are wearing inappropriate clothing or footwear.

9. Performing other actions as necessary to prevent accidents.

I have read the above procedures for safety and have been briefed as to the proper safety procedures for use of equipment in Theatre Stagecraft **THEA 2370**, Theatre Practicum **THEA 1101**, Stage Lighting **THEA 4375**

NAME_________________________ DATE___________________

Insurance Carrier__________________________, Policy information

Emergency Contact Name __________________________

Phone #___________________________