Lighting Design
THEA 4375.002 Spring 2016
Meets in CCH 209, Warren and Wilson Theatre,
MWF 12 - 12:50 CCH 209, Wilson and Warren Theatres (check schedule)
Office hours  M-F 10-11 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.

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 focus on these areas:

The duties of a stage electrician including:
- 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

The Lighting Plot including:
- Drafting of floor plans, sections and elevations, light plots, detail drawings,
  paperwork such as shop lists, instrument schedules, cut sheets, etc.

Theatre safety and tool use
- Safety orientation covering shop rules and procedures
- Training and sign off for all equipment used in lighting and
  the stage

Application of class lectures and demonstrations
- Techniques to be used for theatre department productions
- Demonstration of knowledge in practical skills tests
- Work experience in theatre scene shop, work calls and
  Strikes

Application of computer technology
- Use of hand drafting skills and the program Vectorworks for all drafting projects
- Use of lighting program WYSIWYG to do light plots and simulations

Lighting project of an actual production
- You will do all drafting and paperwork
- You will create a color renderings and virtual models
- You will create several lighting looks and a light plot

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

Electricity for the Entertainment Electrician & Technician; Richard Cadena,

Suggested books to also purchase

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

Cadena on-line quizzes- Chapter quizzes take on BB
Shelley on-line quizzes - Chapter quizzes taken on-line in BB
Paperwork projects – Lighting paperwork projects.
Paperwork for the electrician
Basic plots – Proscenium - Create a basic light plot
Basic Plots – Arena / Thrust – Create a basic light plot
Project 2 - Your first show – Light plot for a production
Project 3 – Special Effects- Create lighting using special effect/practical
Project 4 – 40 Minute Play Festival –light plot and all supporting paperwork
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

Cadena on-line quizzes 100 pts.
Shelley on-line quizzes 100 pts.
Paperwork projects 100 pts.
Basic plots – Proscenium 100 pts.
Basic plots – Arena/thrust 100 pts.
Project 2 – Your first show 200 pts.
Project 3 – Special Effects 100 pts.
Project 4 – 40 Minute Play Festival 100 pts.
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 failing 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.

**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. November 7 is the last day to drop a class with an automatic grade of “W” this term.

**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.C2.01, 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.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at [http://www.tamucc.edu/provost/university_rules/index.html](http://www.tamucc.edu/provost/university_rules/index.html). 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.

**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.

**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](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.

**Recommended by university, select one from the two items regarding behavior/civility or insert a similar statement based on your class needs.

**Required by SACS or HB2504—language must be included

Lighting Class Spring 2016

<table>
<thead>
<tr>
<th>Week/Date</th>
<th>Syllabus Quiz on Blackboard</th>
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<tbody>
<tr>
<td>1</td>
<td></td>
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<tr>
<td>20-Jan</td>
<td>Orientation</td>
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<tr>
<td>22-Jan</td>
<td>Vectorworks</td>
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<td>25-Jan</td>
<td>Where we work</td>
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<td>27-Jan</td>
<td>Training</td>
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<td>29-Jan</td>
<td>Driving Test on Scissor lift</td>
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<tr>
<td>25-Jan</td>
<td>Tour of the Theatre Spaces</td>
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<td>27-Jan</td>
<td>Scissor Lift Training</td>
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<td>29-Jan</td>
<td>Meet in Wilson</td>
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<tr>
<td>1-Feb</td>
<td>Theory of Electricity</td>
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<tr>
<td>3-Feb</td>
<td>Theory of Electricity</td>
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<td>5-Feb</td>
<td>Electrical Safety</td>
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<td>8-Feb</td>
<td>A Lighting Review</td>
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<td>10-Feb</td>
<td>Paperwork overview</td>
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<td>12-Feb</td>
<td>Finish Chapter 1 &amp; 2</td>
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<td></td>
<td>Lab Call after lab on Friday to work on lights for Heidi Chronicles</td>
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<td>4</td>
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<tr>
<td>15-Feb</td>
<td>Background Preparations</td>
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<tr>
<td>17-Feb</td>
<td>Research and preparation</td>
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<tr>
<td>19-Feb</td>
<td>Discussion of play</td>
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<tr>
<td>5</td>
<td>Begin Tech for lights for Heidi Chronicles</td>
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<tr>
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<td>19-Feb</td>
<td>Discussion of play</td>
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Worksheets on Blackboard

Assign Designers for Dance Demo choreographers.

Quiz/worksheets

Chapter 1 - Shelley

Chapter 2 - Shelley

Chapter 3 - Shelley

The Secret Garden

Discussion and ideas presented
6
22-Feb  Creating Preliminary Drawings  Chapter 5 - Shelley
24-Feb  Continue discussion
26-Feb  Work on drawings in class
        Assign Designers to directors for 40 minute play festival
7
29-Feb  Creating the Preliminary Drafting in the Mac Lab
  2-Mar  Lighting Section and CCH 209
  4-Mar  Light plot
  6-Mar  Strike Heidi Chronicles  Strike lighting from Wilson to prep for Rent lighting
8
  7-Mar  Compiling and sending out the shop order
  9-Mar  Continue
 11-Mar  Light plots and paperwork due
        Read next play for discussion after break
  9
 13-Mar  Discussion and ideas for 2nd play
 15-Mar  Concept and images ideas
 17-Mar  Creating a black box plot
 19-Mar  Friday Lab work on lights for Rent 2 - 5
10
 21-Mar  Load in and set up  Chapter 13 - Shelley
 23-Mar  The focus session  Chapter 14 - Shelley
 25-Mar  The light cue level setting  Chapter 15 - Shelley

11

12

13
11-Apr  Work on light plots for 2nd project
13-Apr  Work on light plots for 2nd project
15-Apr  Light plots, light renderings, paperwork due

14

15

18-Apr  Dance Lighting discussion
20-Apr  Special Effects demo
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>22-Apr</td>
<td>Work on plot for dance</td>
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<td>24-Apr</td>
<td>Strike for Rent</td>
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<td>Prep rig for Dance Demo</td>
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<td>15</td>
<td>Dance Demo Load in, Show and Strike Apr 25 - 27</td>
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<td>25-Apr</td>
<td>Dance lighting Demo in PAC</td>
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<td>Load in lights for Dance Demo 8 am</td>
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<td>Strike for Dance Demo after performance</td>
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<td>27-Apr</td>
<td>Dance tech rehearsals</td>
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<td>29-Apr</td>
<td>Dance plot due Prep for special effects presentations</td>
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<td>16</td>
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<td>2-May</td>
<td>Last Day of Class</td>
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<td>TBA - Work on 40 minute paperwork</td>
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<td>4-May</td>
<td>Juries</td>
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<td>40 Minute Plays begin</td>
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<td>6-May</td>
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<tr>
<td>9-May</td>
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<tr>
<td>11-May</td>
<td>Final Exams - Projects due</td>
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<td>Special effects Showcase during final exam time</td>
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<td>13-May</td>
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<td>TBA - Light cues for Dance Demo to board ops</td>
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<tr>
<td></td>
<td>TBA - Light cues for 40 Minute plays for board ops</td>
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</tbody>
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SAFETY REGULATIONS  THEA 2370/THEA1101/ THEA4375

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. This includes taking and passing the DHHS safety test on Sail.

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 or 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 #________________________