

UNT Dept. of Dance and Theatre  
**THEA 1030-001 LIGHTING AND SOUND I**

Instructor: Adam Chamberlin  
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Fall 2014  
Time: (Tu/Th) 9:30-10:50am  
(Tu/Th) 11:am-11:50  
Meeting Place: RTFP 137

Course Description

Introduction to basic terminology, equipment, personnel, and procedures for lighting and sound production in live performing arts. Topics will include lighting equipment, basic electricity, optics, color in light, sound equipment, acoustics, sound recording and playback, music and sound effects, and safety considerations.

Course Objectives

- To have a working knowledge of the tools and equipment used in live theatrical productions
- To have the skills to be able to work with lighting and sound equipment/systems safely and effectively
- To understand the general and accepted standards of the lighting and sound industry as applied to the live arts
- To have a working knowledge of the fundamental theories of light and sound
- To gain a foundation of technical knowledge for future studies in the field

Course Requirements

*Attendance:* This class is meant to be part of your training to enter the theatrical production industry, as such, punctuality is an important aspect. Attendance is mandatory. After the second absence, your final grade will be lowered for each additional absence. Lateness of more than 5 minutes to class or lab will be factored in as half an absence. You will be responsible for missed information.

*Lab Attendance:* As part of the LAB for this class, you are required to participate in 1 FULL LIGHTING HANG and 1 FULL LIGHTING FOCUS. Failure to meet this requirement will result in a demotion of your final grade by two (2) full grades. The schedule will be given out during the first class meeting and sign up will occur on the second class meeting

*Required Text:*           *Theatrical Design & Production...* (6<sup>ed.</sup>)  
                                  Gillette, J. Michael  
                                  McGraw Hill, ISBN: 9780073514192  
                                  \*\*\*\*\*ANY EDITION PRINTED AFTER 2010 is ACCEPTABLE\*\*\*\*\*

*Recommended Reading:* *The Backstage Handbook*  
                                  Carter, Paul  
                                  Broadway Press

*Required Supplies:*    8" or 6" Crescent Wrench  
                                  Heat resistant work gloves  
                                  12" Architects Scale Ruler  
                                  Pencils, erasers, colored pencils, chalk, black paper  
                                  CDR'S or a dedicated flash drive

Exams:

There will be three (3) exams in this course, this includes the final. Exams will be based upon readings from the text, class discussion and lectures, class exercises, homework, and all other material presented. Make-up exams are only allowed if you have a documented university excused absence.

Quizzes:

There will be many quizzes throughout the semester. They will relate to assigned readings, previous topics, current topics, and events relevant to the course. These quizzes may be given at any point during the class meeting time. There will be no make-up quizzes, except where there is a documented university excuse. Quizzes will only be accepted from students present at the beginning of the quiz.

Assignments:

- Assigned reading of the text and handouts
- Three (3) lighting and sound critiques of all Departmental productions
- One (1) project involving lighting design and technologies
- One (1) project involving sound design and technologies
- Various smaller assignments based on the needs of the class

No late assignments will be accepted. E-mailed assignments will not be accepted. Written assignments must be typed (except when noted).

Grades:

Grades will be based on the following:

Final exam		15%	<i>Grading Scale</i>
Exams	@ 2	20%	100 - 90 = A
Projects	@ 2	20%	89 - 80 = B
Critiques	@ 3	15%	79 - 70 = C
Quizzes		15%	69 - 65 = D
Homework		15%	Below 65 = F

General Class Room Rules:

- THE USE OF CELL PHONES, MP3 PLAYERS, AND TEXT MESSAGING DEVICES IS PROHIBITED
- WE WILL BE WORKING WITH AND HANDLING VARIOUS TYPES OF PRODUCTION EQUIPMENT. YOU WILL BE GIVEN ADVANCE NOTICE OF THESE DAYS SO YOU MAY COME APPROPRIATELY ATTIRED. NO HEELS, SANDALS, OR OPEN TOED SHOES WILL BE PERMITTED ON THESE DAYS, AND YOU WILL BE MARKED ABSENT.
- LAPTOP COMPUTERS MAY ONLY BE USED FOR NOTE TAKING OR AS PART OF AN IN-CLASS ASSIGNMENT. THE INSTRUCTOR RESERVES THE RIGHT TO DISALLOW LAPTOPS IF MISUSE BECOMES DISRUPTIVE OR UNPRODUCTIVE.
- FOOD AND BEVERAGES ARE NOT ALLOWED IN THE CLASSROOM.
- PLEASE REFER TO THE UNT STUDENT HANDBOOK AND THE DEPARTMENT OF DANCE AND THEATRE HANDBOOK FOR FURTHER POLICIES AND PROCEDURES.

*This syllabus is subject to change. Announcements regarding changes in meeting times and/or locations will be made during the previous class period and via your UNT e-mail accounts.*

## **Notices:**

### *Disabilities Accommodation:*

*"The University of North Texas is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112- The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens."*

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at [940.565.4323](tel:940.565.4323).

### *Academic Conduct:*

You are encouraged to become familiar with the University's Policy for Academic Dishonesty found in the UNT Student Handbook. Academic misconduct will not be tolerated in this course, and is subject to discipline. Cheating, plagiarism, collusion and falsification of academic records or the attempt to do these things constitute scholastic dishonesty. The Code of Student Conduct provides specific penalties faculty members may assign for cheating. For more information – [www.vpaa.unt.edu/academic-integrity.htm](http://www.vpaa.unt.edu/academic-integrity.htm)

### *Student Behavior in the Classroom:*

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Center for Student Rights and Responsibilities to consider whether the student's conduct violated the Code of Student Conduct. The university's expectations for student conduct apply to all instructional forums, including university and electronic classroom, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at [www.unt.edu/csrr](http://www.unt.edu/csrr)

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Tentative Course Schedule

WEEK	DATE	TOPICS
1	8/26 8/28	Course outline and Introduction Hang and Focus Practicum *** MUST HAVE WRENCH***
2	9/2 9/4	What is Light? Lamps, Optics, Reflectors, and Instruments
3	9/9 9/11	Lamps, Optics, Reflectors, and Instruments Lamps, Optics, Reflectors, and Instruments
4	9/16 9/18	Basic Electricity Electricity and the Stage
5	9/23 9/25	Cables / Dimming / Control Cables / Dimming / Control
6	9/30 10/2	***** TEST #1 ***** Practicals, FX, Movers, and Projection
7	10/7 10/9	Color Lighting Systems (technical and artistic)
8	10/14 10/16	Designing with Light ( <i>Haiku</i> ) Light plot and Paperwork (designer / electrician)
9	10/21 10/23	Hand Drafting CAD Drafting
10	10/28 10/30	Focusing / Cueing Focusing / Cueing
11	11/4 11/6	Final Lighting Review Sound and Basic Acoustics
12	11/11 11/13	Audio Equipment Audio Equipment
13	11/18 11/20	***** TEST #2 ***** Editing / Collecting of Sound
14	11/25 11/27	Sound Design TURKEY DAY
15	12/2 12/4	FINAL REVIEW
8AM FINAL EXAM		

THIS CLASS SCHEDULE IS TENTATIVE.