

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

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FALL 2018
Time: (Tu/Th) 9:30-10:50am
(Tu/Th) 11:00-11:50am
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, documentation, sound equipment, acoustics, recording and playback, music and sound effects, and safety procedures and 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 systems safely and effectively
- To understand the general and accepted standards within the lighting and sound industry as it applies to the production of theatre
- To have a working knowledge of the fundamental theories behind light and sound
- To gain a foundation of technical knowledge and wonder for future studies in the field
- To be qualified to work as an electric stagehand

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 attend and participate in 1 FULL LIGHTING HANG WORK CALL and 1 FULL LIGHTING FOCUS WORK CALL. Failure to meet this requirement will result in a demotion of your final grade by two full grades.

Recommended Reading: *Theatrical Design & Production...* (6th.)
Gillette, J. Michael
McGraw Hill, ISBN: 9780073514192
*****ANY EDITION PRINTED AFTER 2012 is ACCEPTABLE*****

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
- Lighting and sound critiques of all Departmental productions (3)
- One (1) project involving lighting technologies
- 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 must be received by 5pm the previous day. 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	@ 3	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 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 makes reasonable academic accommodation for students with disabilities. Students seeking reasonable 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 a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time, however, ODA notices of reasonable 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 reasonable 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 reasonable 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

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

UNT Dept. of Dance and Theatre
Tentative Course Schedule

WEEK	DATE	TOPICS
1	8/28 8/30	Course outline and Introduction of Lighting History What is it?(physics) How do we see it?(biology) Where does it come from?(physics) How does it affect us? (psychological)
2	9/4 9/6	How do we create it?(lamps) How do we manipulate Light? (reflectors and lenses) Conventional Instrumentation – Design Your Own Light Presentations
3	9/11 9/13	Basic Electricity Not so Basic Electricity
4	9/18 9/20	Cabling and Dimming Dimming and Control
5	9/25 9/27	Wiggle Lights and others Putting it all together (functions and purposes of light)
6	10/2 10/4	***** TEST #1 ***** Reflections on technical aspects
7	10/9 10/11	Color Temperature, Mixing, and theory Lighting Paperwork
8	10/16 10/18	Lighting Plot Lighting Plot
9	10/23 10/25	Lighting Design Project presentations Lighting Design Project presentations
10	10/30 11/1	What is Sound?(physics) How do we hear it?(biology) Where does it come from?(physics) How does it affect us?(psychological) Sound equipment – Inputs /outputs
11	11/6 11/8	Sound Equipment – Mixing / accessories Using all the components of a sound system together
12	11/13 11/15	Digital mixing and sound work Analog and Digital Sound Creation
13	11/20 11/22	***** TEST #2 ***** UNT CLOSED – TURKEY (TOFURKEY) EATING DAY
14	11/27 11/29	Sound Project Presentations Sound Project Presentations
15	12/4 12/6	Review LAST CLASS DAY
16	12/13	8:00AM-10:00AM FINAL EXAM

THIS CLASS SCHEDULE IS TENTATIVE.