

Lighting and Sound Design I

THEA 1030

Spring 2024

Lecture TR 9:30-10:50 a.m.

Lab TR 11-11:50 a.m.

RTFP 110

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Office Hours: M 10:30-12, or by appointment

Description of Course and Learning Objectives

Course Description

The goal of this class is to build the students understanding of the tools, equipment, and theories of stage lighting and sound so they make take on the role of a Stage Electrician successfully and with confidence. Additionally, upon successful completion of this course, students will be prepared for further training in these areas.

This class will cover basic terminology, equipment, personnel and procedures for lighting and sound production in performing arts. Topics include intro to lighting equipment, basic electrical, optical, and color in light theory, sound equipment, acoustics, sound recording and playback, music and sound effects, and safety considerations.

Learning Outcomes

Upon successful completion of this course, learners will be able to:

- Articulate why various lighting and sound systems are used
- Explain the choices of specific equipment and modifications
- Implement design and equipment choices for a production; and
- Operate theatrical lighting and sound equipment safely.

Text, Computer, and Software

Please note that all quizzes, tests, and in-class discussions are based on the readings and notes made available on Canvas.

Text

Various readings will be assigned through Canvas throughout the semester.

Plays

TBD—A play will have links on the course Canvas site and are copyright free. Please save a tree and read these in digital format.

Computer & Software

- 6" or 8" adjustable crescent wrench
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Communication, Attendance, and Late Assignments

Communication

- Majority of the communication in this class will occur via Canvas.
- All announcements, changes, updates, etc. will come through Canvas.
- In order to streamline contact with me, please use Canvas to send me messages, questions, updates, etc. outside of class. The hope is that I can have all student communications through Canvas, and if your message will not get lost in my e-mail.

Attendance

- Students are expected to attend each class, unless excused circumstance (see below) or a University excuse is provided. Attendance will be taken at the top of each course meeting. It is the student's responsibility to ensure they have signed the role. The role will not be available to sign once the course meeting time has ended.
- Excused Absences
 - Religious holy day, including travel for that purpose;
 - Active military service, including travel for that purpose;
 - Participation in an official university function;
 - Illness or other extenuating circumstances;
 - Pregnancy and parenting under Title IX; and
 - When the University is officially closed.
- How to notify of an excused absence?
 - Students must request an excused absence in writing (via Canvas), providing satisfactory evidence to the instructor. This can be completed in a reasonable time before or after the absence.

Late Assignments

Unless a University approved excuse is provided, no late assignments will be accepted. If an excused absence is allowed, an updated due-date will be assigned for the affected assignments.

Grading Scale, Assignments, and Lab

A	90-100%	Excellent
B	80-89%	Above Average
C	70-79%	Average
D	60-69%	Below Average
F	0-59%	Failing

Assignment—30 pts/210 total

1. Lab Sign-Up
2. Sunrise/Sunset
3. Lighting Instrument
4. Color
5. Key Moments
6. Bacchae Research
7. Sound Choices

Project—75 pts/225 total

1. Lighting Tech
2. Lighting Design
3. Sound

Lab—150 total

Tests—100 pts/200 total

Production Critique—100 pts/100 total

1. *Production Critique*

Canvas

This course will utilize Canvas throughout the semester. All assignments will be submitted by midnight on the date due through file upload, unless noted otherwise.

Test

All test in this course will be online via Canvas. Please ensure that you make appropriate arrangements to have access to a computer or laptop during the open window of the test. Computer labs around campus are open to students that may not have access to a computer. iPads are not recommended for taking test on Canvas.

Lab

- Students enrolled in Thea 1030 also are enrolled in Section 301, which is the lab for this course. The lab will meet from TR 11-11:50 throughout the semester. The dates we will meet for lab is indicated on the course schedule.
- Additionally, students **must** attend **one (1) hang** and **one (1) focus** for UNT productions. Dates for these will be posted on Canvas. Students will sign up for each of these requirements via the provided link (posted on Canvas). Grading is straightforward in the laboratory section. Complete the assigned task or goal for the lab and you get full credit for the lab.

Production Attendance

Students enrolled in this course are required to attend one (1) UNT Dance and Theatre productions. All students enrolled in a theatre class get a FREE ticket to each show. In viewing this production, you will critique the lighting design of the production. An assignment writeup will be posted on Canvas. Information about the productions can be found below. **Note: These productions tend to sell quickly, it is advised that you get your ticket early.**

The Donner Party

March 1, 2 @ 7:30 p.m.

March 2, 3 @ 2:00 p.m.

UNT University Theatre

Fiddler on the Roof

April 18, 19, 20 @ 7:30 p.m.

April 21 @ 2:00 p.m.

UNT University Theatre

Academic Integrity Standards and Consequences

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.

If a student submits work that includes any of the above behaviors the following actions will be taken:

- The student will be notified in writing and a meeting between the student and professor will be requested.
- 1st Offense - students received a zero for the graded assignment.
- 2nd Offense - the student will be reported to the Office of Academic Integrity for a violation of the University policy.

ADA Accommodation:

UNT 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 a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one's specific course needs. Students 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. For additional information see the ODA website at disability.unt.edu.

Emergency Notification and Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to the UNT Learning Management System (LMS) for contingency plans for covering course materials.

Tentative Course Schedule

Date	Subject/Objective	Readings Due	Assignments Due
WEEK 1			
Jan 16	Class Canceled		
Jan 18	Intro to Class Intro to Designing with Light		
WEEK 2			
Jan 23	Functions of Lighting Design		
Jan 25	Lighting Production Team		Assign 1 - Lab Sign-Up
WEEK 3			
Jan 30	Electricity		
Feb 1	Electricity and Circuits		Assign 2 - Sunrise/ Sunset
WEEK 4			
Feb 6	Lighting Instruments LAB: Hang and Focus		
Feb 8	Lighting Instruments & Lenses LAB: Circuiting		
WEEK 5			
Feb 13	Practicals and Effects		
Feb 15	Intensity Control LAB: Instruments		Assign 3 - Lighting Instrument
WEEK 6			
Feb 20	Color Theory in Lighting		
Feb 22	Color Theory in Lighting LAB: Color Mixing		Project 1 - Lighting Tech
WEEK 7			
Feb 27	Advanced Lighting Instruments		
Feb 29	Test 1		
UNT Production <i>The Donner Party</i> March 1, 2 @ 7:30 p.m. March 2, 3 @ 2:00 p.m. UNT University Theatre			
WEEK 8			
Mar 5	Design Process		Assign 4 - Color

Date	Subject/Objective	Readings Due	Assignments Due
Mar 7	Design Process		
WEEK 9			
Mar 12	Spring Break No Class		
Mar 14			
WEEK 10			
Mar 19	Photometrics		
Mar 21	Reading the Play		
WEEK 11			
Mar 26	<i>The Bacchae</i>	<i>The Bacchae</i>	
Mar 28	<i>The Bacchae</i> - Key for Moments		Assign 5 - Key Moments
WEEK 12			
Apr 2	Light Plots	USITT Drafting Standards for Lighting	
Apr 4	Research and Paperwork		
WEEK 13			
Apr 9	Sound Design		Assign 6 - Bacchae Research
Apr 11	Sound Design, Loudspeakers		
WEEK 14			
Apr 16	Microphones		Project 2: Lighting Design
Apr 18	Computer Playback & QLab Lab: QLab Demo		Assign 7 - Sound Choices
UNT Production <i>Fiddler on the Roof</i> November 2, 3, 4 @ 7:30 p.m. November 4, 5 @ 2:00 p.m. UNT University Theatre			
WEEK 15			
Apr 23	Wiggle Day		Production Critique
Apr 25	Wiggle Day		
WEEK 16			
Apr 30	In Class Work Day-Project		Project 3: Sound
May 2	Test 2 Review		

Date	Subject/Objective	Readings Due	Assignments Due
WEEK 17			
May 9	Test 2		