

THEA 1030-001 LIGHTING AND SOUND I

Instructor: Adam Chamberlin
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Fall 2011
Time: (Tu/Th) 9:30-10:50am
Meeting Place: RTFP 130

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

All cell phone, mp3's, and texting devices must be turned off and put away prior to the start of class.

Attendance: 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.

THIS CLASS IS MEANT TO BE PART OF YOUR TRAINING TO ENTER THE THEATRICAL PRODUCTION INDUSTRY, AS SUCH, PUNCTUALITY IS AN IMPORTANT ASPECT.

Lab Attendance: As part of this class, you will be required to attend and participate in one (1) lighting/sound hang work call AND one (1) lighting and sound focus call. The schedule will be given out during the first class meeting and sign up will occur on the second class meeting. Failure to attend a work call will result in an immediate demotion of grade by two (2) full grades.

Required Text: *Theatrical Design & Production...* (6^{ed.})
Gillette, J. Michael
McGraw Hill, ISBN: 9780073514192

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

Required Supplies: 8" 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 technologies
- One (1) project involving sound 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 AN 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 and the Department of Dance and Theatre does not discriminate on the basis of disability in the recruitment and admission of students. It is the policy of the Department to make reasonable accommodations to assist disabled students in class. The coursework in this class requires each student to actively participate in physical exercises involving coordinated movement, manual dexterity, and physical balance. Classroom exercises involve spontaneous processing of visual and verbal cues and stimuli. If you have a disability that may prevent you from participation in this course, you should confer with the instructor as soon as possible to discuss your needs and possible accommodations.

“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.”

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

Tentative Course Schedule

<i>WEEK</i> <i>K</i>	<i>DATE</i> <i>E</i>	<i>TOPICS</i>
1	8/25	Course outline and Introduction
2	8/30 9/1	Basic Electricity What is light
3	9/6 9/8	Optics and Color Optics and Color continued
4	9/13 9/15	Designing your own lighting fixture Designing your own lighting fixture continued
5	9/20 9/22	Lighting Fixtures and Cabling Lighting Fixtures and Cabling continued
6	9/27 9/29	Dimmers / Control / Patching Dimmers / Control / Patching continued
7	10/4 10/6	The complete lighting system *****TEST #1*****
8	10/11 10/13	Functions and Purpose of Stage Lighting The design process
9	10/18 10/20	Design <i>Haiku</i> Design <i>Haiku</i>
10	10/25 10/27	Paperwork / Plot Drafting
11	11/1 11/3	More Drafting LIGHTING PROJECT COMPLETION
12	11/8 11/10	Sound and Basic Acoustics Basic Sound Systems
13	11/15 11/17	NCC'11 Light Hang Sound Equipment
14	11/22 11/24	Audacity and sound mixing/editing GO EAT TURKEY OR TOFURKEY
15	11/29 12/1	Functions and Purpose of Stage Sound The sound design process
16	12/6 12/8	*****TEST #2***** SOUND PROJECT COMPLETION
FINAL EXAM (Test #3)		