

TPA 2221 Technical skills in Lighting (3 credits)
WF 11:00-12:20 PM PA 109
Professor: Thomas Shorrock

Office: PA 113C, Hours: TR12:00-2:00

Spring 2019
shorrock@fau.edu
Prerequisite: TPA 2200 Intro
To Production
phone: 561-297-3810

Class Description:

Course covers special topics areas, such as lens theory, electrical theory, automated luminaries, and paperwork. Course may be repeated for credit with new topic only.

Class Details(Objectives):

The objective of this course is to provide you with a working understanding of Entertainment Rigging, and electrical issues. The class will focus on the steps and methods a Master Electrician uses to determine how to properly hookup, evaluate, and maintain equipment for a production. We will also review how to properly setup, install, and maintain lighting related equipment.

Class Grading Scale: (There is no curve in this class)

525-401 = A 400-300 = B 299-200 = C 199-100 = D 99-0 = F

A Note about Grades: By definition, most of us are average. Average performance in this class—that is, the level of performance that most of you will achieve—will be rewarded with a grade of C. This is a good grade! Simply showing up for class every day and turning in all assignments on time is expected. Merely meeting expectations in this class will earn a grade of C. To earn greater than a C your work will have to be exceptional in quality, quantity and enthusiasm for the subject. Grades are for you to measure your own level of achievement against that of your peers; they have no meaning outside of the academic environment.

Text Books and course material:

These materials are required for the course. You may borrow them from someone or purchase your own.

Lightwright 6 (Student copy)
Multimeter (can be shared)
Multi Screwdriver
Architect's Scale
Highlighters

Autocad 2019 (student edition is free)
Basic Wire Strippers
Flashlight
10" crescent wrench
Silver Sharpie/White Paint Pen/White China marker

Projects: 125 Points (25 each)

Each project will be specialized to focus on an area skill. Projects include items such as preparing shop orders, building cable, patching a show into a lighting console.

Quizzes: 150 Points (25 each)

There are several quizzes spaces throughout the semester to test specific skills (How not to electrocute yourself, how to read a plot, or other skills that are necessary to work as an electrician.

Hang and Focus: 125 Points

You are required to put in 15 hours on the hang and focus of one of the two mainstage shows this semester. Each student will sign up for one show and keep hours to hang, circuit, patch, and focus the show.

Final Exam: 125 Points

You will provide a shop order, paperwork review, and console prep for a production in the Studio theatre. This project will be a combination of all the skills you have learned during the academic semester. It will be presented during our final exam time to the class.

Late/Missed Work Policy

Because so much of this work is dependent upon your classmates being present to complete projects, there will be no makeup of missed work unless excused for a university approved reason (Such as religious holiday or athletic event)

Test and academic integrity policy:

Theatre, by its nature, is a collaborative environment, and we often seek out advice and help from others in our daily lives as we work. I highly encourage you to work with your peers and even other faculty as you study for this class. I do ask, however, that when it becomes time to submit materials for testing, that the work submitted is completed by you and you uphold the Code of Academic Integrity of FAU.

All tests are conducted on the Blackboard system online. You must be the individual taking the exam. Notes, study guides, books, or any other resource other than yourself is not allowed during the exam.

I can place a lot of scary text here explaining cheating and the repercussions of what happens when you cheat. Instead, I would like to just say this: You are paying your money, time, and effort into taking this class. You are taking this class because it relates heavily to what you want to do for the rest of your life. Don't short change yourself by taking the easy way to complete the material. I have never met anyone who said they wish they cheated more while in college.

Attendance policy:

The Department of Theatre attendance policy is: Three absences will lower your final grade by one letter grade. Each subsequent absence will lower your final grade by one letter grade. Five absences will result in automatic failure. Three tardies equals one absence. If you arrive to class after roll is taken, it is your responsibility to check in at the end of class to make sure your attendance is recorded. See University policies in the FAU Student Handbook <http://www.fau.edu/handbook/>

Students will not be penalized for absences due to participation in University-approved activities, but proof of involvement must be provided. Reasonable accommodation will be made for student absences due to religious observance(s). Also, note that grades of Incomplete ("I") are reserved only for students who are passing the course but have not completed all the required work because of exceptional circumstances. Incompletes should be pre-arranged with the instructor before the end of the term.

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student

Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's

Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001. If your college has particular policies relating to cheating and plagiarism, state so here or provide a link to the full policy—but be sure the college policy does not conflict with the University Regulation

THIS SCHEDULE IS SUBJECT TO CHANGES AS THE SEMESTER PROGRESSES!

Day	Topic	Assignment	Due
W 1/11	Discuss Syllabus and Semester overview		
F 1/13	Electrical Safety		
W 1/18	Introduction to Rigging	Quiz Electrical Safety	
F 1/20	Rigging Dead Hung equipment		
	<i>Tech RDTE 1/23-1/26</i>		
W 1/25	Rigging Counterweight		
F 1/27	Knots	Quiz Rigging Safety	
W 2/1	Electrical Theory		
F 2/3	Electrical Theory		
W 2/8	Electrical Cable	Electrical Theory Quiz	
F 2/10	Data Cable		
	<i>Tech Show #3 2/13-16</i>		
W 2/15	Conventional Fixtures	Project: Building Cable	
F 2/17	LED Fixtures		
W 2/22	Bench Focusing Fixtures		
F 2/24	Fixture Labs		
W 3/1	DMX/Etherenet/RDM		
F 3/3	Reading Paperwork		
W 3/8	<i>No Classes; Spring Break</i>		
F 3/10	<i>No Classes; Spring Break</i>		
W 3/15	Using Paperwork		
F 3/17	Lighting Consoles	Shop Orders Due	
W 3/22	Catch Up Day		
F 3/24	EOS Family programming Part I		
W 3/29	Eos Family Programming Part II	Patch Project	
F 3/31	Eos Family programming Part III		
W 4/5	Patch		
F 4/7	Programming	Offline Paperwork Due	
	<i>Tech Show #4 4/10-13</i>		
W 4/12	Moving Lights		
F 4/14	Moving Lights	EOS Show file due	
W 4/19	EOS programming Moving Lights		
F 4/21	Final Project approval and signup. Last day		
W 5/3	Final Exam Presentations 10:30-1:00		