CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

AVP 255 Advanced Lighting

Course Description: This class is designed to serve 2 purposes. The first is to introduce the fundamentals of grip and electric anyone interested in any field of production. The second is to teach a person what is required to be a grip or electrician as a professional.

Prerequisites(s): AVP 210 (minimum grade C) **Corequisite(s):** No corequisite

Lecture Hours: 1	Lab Hours: 2	Credit Hours: 2
Lab Fee: 70	Supplemental Fee: 0	Purpose:
☐ Transfer Assurance Guide Course (TAG)	☐ Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: □ Web	□ Hybrid	X Classroom
Semesters Offered: □ Fall	X Spring	□ Summer

Course Primary Text:

Title: The Set Lighting Technicians Handbook	Edition: 4th
Author: Harry Box Focal Press ISBN-10: 9780240810751	

Supplemental Materials:

-multi-tool (Gerber, Leatherman, etc)
-a pair of gloves
-a plug tester
-sharpie
-silver sharpie
-a cresent wrench

Course Outcomes:

This class is designed to serve 2 purposes. The first is to introduce the fundamentals of grip and electric anyone interested in any field of production. The second is to teach a person what is required to be a grip or electrician as a professional. We will discuss all elements of grip and electric as it relates to production and as a career. The tests will cover the reading material and lectures but the work in the studio will be just as important. The final project will be a short scene shot in groups. There will be an on site visit from me to grade you on your set work.

Course Topics:

Week 1	Class 1 - Review 1. Review of three point lighting 2. Day 1 quiz 3. Establish baseline for students Class 2 - Set Protocol 1. Lecture - Overview of how to operate on a small set a. Includes organization, work flow, and logistics

	2. Practical - Set up an interview in studio 3. Review of 3 point lighting for interviews.
Week 2	Class 3 - Advanced interviews 1. Lecture - Covers the qualities of lights such as color temp and softness 2. This is about teaching the students how to adapt to coexisting lighting to improve their 3 point setups (Overwhelming majority of professional starting work) 3. Practical - interview in the hallway 4. This is an interview setup in the field, simulating an average work day in video production. Class 4 - Tungsten 1. Lecture - Reading covers tungsten units 2. This includes different type of units as well as different size of units. Emphasis on types 3. Practical - 2 person interview 4. Modified 3 point setup to light an interview with a camera also on the interviewer
Week 3	Class 5 - HMI 1. Lecture - Daylight arsenal 2. Differences between tungsten and HMI fixtures in practical sense 3. Emphasis on power requirements 4. Practical - Walk and talk. We walk around the campus discussing the lighting in different environments. This is to teach the beginnings of narrative lighting. Class 6 - Florescent 1. Lecture - Discuss working with Kino Flo style fixtures 2. Covers types and applications 3. Practical - Student led setup. I pick a scene and let the students light it. Usually 2 per session
Week 4	Class 7 - LED 1. Lecture - Discuss modern LED tech and the problems and applications with it. 2. Practical - Student led setup in hallway. I have done the same setup every class with the students to show them how different you can make a space look. Class 8 - Grip 1. Lecture - discuss the availability of different hardware such and stand, clamps, flags and scrims. 2. Emphasis on modifying light. 3. Practical - Student led setup off site. Simulated set in another room. This is to force students to work on organization and practical work in a space.
Week 5	Class 9 - Distribution - Mid term quiz 1. Lecture - Discuss providing large amounts of electricity 2. Practical applications of such including large lights 3. Practical - Student led setup in studio. Class 10 - Control 1. Lecture - Cover basics of DMX control systems 2. Applies to remote locations and studio sets 3. Practical - Student led setup in studio.
Week 6	Class 11 - Professional visit. 1. Lecture - We discuss to total package of lighting with professionals from the industry 2. I try to bring in my coworkers to help show the work flow and thinking of

	people who are active in the job 3. Practical - Professional led setup. We recreate the hallway setup. I bring in my coworkers to show how efficient communication has to be for the job to be done right. This is to expose the students to how it is done right so they can look at what they are doing and try to improve pong it. Class 12 - Large scale 1. Lecture - With large size comes large size units 2. This is about how you apply the concepts we have learned to very large environments, and the challenges that come with it 3. Practical - Student led setup in studio.
Week 7	Class 13 - Review 1. Lecture - Overall Review for final test as well as Q&A for students 2. Practical - Student led setup in studio. Class 14 - Final 1. Final test. Students present final group projects 2. Each group shows the project then we watch again and break it down shot by shot 3. Students are graded on application of concepts, on site inspection, and overall quality.

Methods of Evaluation/Assessment

Day 1 Quiz ----------10Pt.

Mid Term ----------20Pt.

Written Final ----------30Pt.

In Class participation ----------40Pt.

Final Project visit ----------60Pt.

Final Project ----------50Pt.

Grading Scale

100 - 90% - A
89 - 80% - B
79 - 70% - C
69 - 60% - D
59 - 00% - F

Attendance/Grading Policy:

Students are required to attend all class meetings and to come prepared for class. A reduction in your final grade will be as follows with unapproved absences:
2 missed class session -10%
3 missed class sessions -20%
4 class sessions will result in a failing grade

Attendance will be taken at the beginning of every class. If you are more than 20 minutes late for class you will be counted as absent.

Essential Knowledge

• Students will not be permitted to make up any tests/quizzes or submit assignments for unapproved absences.
• Students are required to inform instructor if they will not be attending class or will be late due to an emergency situation. Late assignments/exercises will not be accepted for unapproved absences.
• Documentation may be requested for approved absences.
• Arrangements to turn in work due during class missed because of an approved absence will be dealt with on a case-by-case basis. It is the student's responsibility to make these arrangements.
• Having to work is not an excuse. If your work schedule does not permit you to attend class, please drop the course and take it when it is a priority.
• Plagiarism/cheating will not be tolerated. Any individual caught cheating will receive a failing grade for the course. Students will be reported to the Division Dean and will be asked to meet immediately with their academic advisor.
Definition- Plagiarize: to steal or pass off as one's own (the idea or words of another); use (a created production) without crediting the source; to commit literary theft; present as new and original an idea or product derived from an existing source (Webster's Third New International Dictionary of the English Language, Unabridged, p. 1728)
• The instructor reserves the right to modify or adjust the syllabus and assignment sheet anytime throughout the course.