

**DUKE ELLINGTON SCHOOL OF THE ARTS
TECHNICAL DESIGN & PRODUCTION DEPARTMENT**

TECHNICAL PRODUCTION I : INTRODUCTION TO LIGHTING DESIGN

Instructor: John Alexander

COURSE DESCRIPTION

This course introduces you to the history and origin of lighting design used in a theatrical setting and how technology has advanced the art form across the globe. Next, you will learn and explore the basic design principles and tools (paperwork) needed to produce a simple lighting design for a play, musical, opera and dance concert. In addition, you will present a basic lighting design and support your concepts using a magic sheet, color chart, spreadsheets (instrument, color, position schedules) and lighting plot for a genre of your choice.

COURSE OBJECTIVES

At the end of the semester, you will be able to:

1. Understand the proper use and meaning of terms used in the theatrical lighting design profession.
2. Understand basic lighting design technology and how it is used in different types of venues.
3. Create a basic lighting design for a small theater.

METHOD OF INSTRUCTION

1. Lecture, Discussion and Practicum
2. Demonstration and Illustration
3. Printed Materials

COURSE OUTLINE

- I. History of Lighting Design
- II. Evolution of Lighting Design Instruments
- III. Implementing a Lighting Design
 - A. Script Analysis
 - B. Collaboration
 - C. Visual and Conceptual Research
 - D. Paperwork and Tools
 1. Hand-drafting
 2. Spreadsheets
 - E. Focus and Cueing
- IV. Lighting Design Basics
 - A. Ideas/Concepts/Inspiration
 - B. Technology
 - C. Intro to Photometric's
 - D. Color Theory
 - E. Qualities and Functions
 - F. Electricity
- V. Lighting Design as a Career: Designer, Assistant, Associate
- VI. Influential Lighting Designers and their Contributions to the Art Form

COURSE REQUIREMENT/GRADING

Participation (10%) This includes constructive comments and opinions; use of appropriate terminology; thoughtful criticisms; attentiveness; and class discussions.

Assessments (50%) Effective note taking and written or verbal tests.

Practicum (40%) Attentiveness to the assigned project and ability to successfully complete tasks in ample time.

LATE ASSIGNMENTS WILL NOT BE PERMITTED WITHOUT DOCUMENTATION OF EXTENUATING CIRCUMSTANCES

The course will be graded on a combined point system (for exams and quizzes) and an evaluation (for assignments and projects), plus any extra credits earned. Grading will correlate with the following:

POINT SYSTEM

A+	100%	B	89 - 80	D	69 - 70
A	100-90	C	79 - 70	F	59 - 0

PASS OR FAIL SYSTEM

PASS	10pts
FAIL	0pts

EVALUATION POINT SYSTEM

A+	5 pts	Exceptional	Earning an "A+" means the student has exceeded advanced understanding and exceeds assignment and project expectations, demonstrating academically superior skills and innovation in that specific area.
A	5 pts	Excellent	Earning an "A" means the student has exhibited advanced understanding and exceeds assignments and project expectations, demonstrating superior skills in that specific area. An "A" is difficult to obtain and indicates unusually high achievement.
B	5 pts	Very Good	Earning a "B" means the student has exhibited proficient understanding and meets assignments and project expectations. A student receiving a "B" is right on track with the courses high academic expectations. A "B" is something to be celebrated.
C	2 pts	Good/Satisfactory	Earning a "C" means the student has exhibited basic understanding and partially meets assignment and project expectations. A student receiving a "C" understand the basic concept or skill, but has not yet reached a level of proficiency.
D	1 pt	Unsatisfactory	Earning a "D" means the student has exhibited minimal understanding and does not meet assignments and project expectations.
F	0 its	Unacceptable	Earning an "F" means the student has failed to exhibit minimal understanding and does not meet assignment and project expectations.

GENERAL REQUIREMENTS

- A. All work must be neat and turned in on time. Work that is late or incomplete WILL NOT BE ACCEPTED.
- B. The student must attend ALL class meetings. It is the responsibility of the student to communicate anticipated absences and clear all absences with the instructor.
- C. Students who miss an examination, quiz or assignment must present a signed and dated official excuse (such as one from a physician, parent, or an administration for a DESA sponsored event) and schedule to complete the missed work within one week after returning to class.
- D. The instructor reserves the right to consult with other to determine the student's performance on an assignment.
- E. The instructor reserves the right to modify the course content and direction, as well as method of evaluation, if circumstances prove this necessary. The students will be given ample notice if any changes are needed.
- F. No cheating will be tolerated. All tests and assignments are to be your work, and any quoting or borrowing of ideas of others MUST BE ACKNOWLEDGED, and properly denoted. The instructor may use the internet to assure that the students's written submissions have been properly documented.

*This Syllabus is subject to change.
(REVISED 8/17/18)