I. **OVERVIEW**
The following information will appear in the 2010 - 2011 catalog

**THETR 182  Practical Stage Lighting**  3 Units

**Recommended for Success:** Before enrolling in this course, students are strongly advised to satisfactorily complete THETR 100.

An introduction to the art and practice of lighting design for the stage. Lectures will include: the use and control of stage lighting instruments, choosing color, basic electricity, the physical and psychological properties of light as applied to stage illumination. Practical application in lab work will include assisting in the lighting of a fully supported play, musical or dance production.

Field trips might be required.  (A-F or P/NP - Student choice) Lecture /Lab

**Transfer:** (CSU, UC)

II. **LEARNING CONTEXT**
Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. **COURSE CONTENT**

1. **Required Content:**

   a. Stage Lighting Equipment
      i. Conventional spotlights
      ii. Automated fixtures
      iii. Followspots
      iv. Distribution devices
      v. Control devices
      vi. Accessories

   b. Safe use of electrical devices
      i. AC and DC current
      ii. Series and parallel circuits
      iii. Fuses and circuit breakers
      iv. Cables and connectors

   c. Art and practice of lighting design
      i. Script analysis
      ii. Color theory and mixing
iii. Revelation of form with light

d. History of lighting
   i. Candles, gas and electricity
   ii. Methods of lighting the stage

2. **Required Lab Content:**

   a. Stage lighting equipment
      i. Conventional spotlights
      ii. Automated fixtures
      iii. Followspots
      iv. Distribution devices
      v. Control devices
      vi. Accessories

   b. Lighting installations
      i. Hanging and focusing lighting instruments
      ii. Setting cues
      iii. Safe working practices on stage

B. **ENROLLMENT RESTRICTIONS**

1. **Advisories**

   Before enrolling in this course, students are strongly advised to satisfactorily complete THETR 100.

2. **Requisite Skills**

   *Before entering the course, the student will be able to:*

   a. Discuss the process used to create a theatrical production.

   b. List the members of a theatrical production team and describe how they work together to create a new or revival production.

C. **HOURS AND UNITS**

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D. METHODS OF INSTRUCTION (TYPICAL)
Instructors of the course might conduct the course using the following method:

1. Lecture, discussion, reading, writing
2. Photographic slides, videotapes, films, and handouts to supplement lecture, discussion and reading
3. Visitations to theatres and libraries
4. Attend on and off campus theatre and dance productions

E. ASSIGNMENTS (TYPICAL)

1. EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS
   Time spent on coursework in addition to hours of instruction (lecture hours)
   a. Weekly textbook reading assignments
   b. Analyze one script for final project
   c. Write two critiques of live theatre productions
   d. Collaborate with peers on two lighting composition projects
   e. Hang and focus two light plots for supported productions (lab)

2. EVIDENCE OF CRITICAL THINKING
   Assignments require the appropriate level of critical thinking
   a. Read an assigned play script and identify the lighting requirements for a supported production. Discuss how you will select instruments and color to achieve your goals.
   b. Choose two paintings or photographs. Use the lab lighting setup to recreate the lighting composition for each selection. Make critical choices of color, angle and intensity.
   c. Describe the creative process involved in designing lighting for a stage production. Talk about two or three methods that may be used to create a solution to a design project.

F. TEXTS AND OTHER READINGS (TYPICAL)


III. DESIRED LEARNING

A. COURSE GOAL
   As a result of satisfactory completion of this course, the student should be prepared to:

   analyze a play script and determine the lighting requirements for a successful production; select and safely install equipment and color to light a play or dance in a small proscenium style theatre; and create a cue list and program a lighting control console.
B. STUDENT LEARNING GOALS
Mastery of the following learning goals will enable the student to achieve the overall course goal.

1. **Required Learning Goals**
   Upon satisfactory completion of this course, the student will be able to:
   
   a. Identify the four controllable properties of light related to lighting design for the theatre.
   
   b. Define the functions of lighting design for the stage.
   
   c. Define the elements of design.
   
   d. Identify color media materials including: glass, acetates, polyester and gelatine.
   
   e. List common conductors and insulators of electricity.
   
   f. List sources of electromotive force used in theatre lighting design.
   
   g. Define the four basic units of measurement used in electrical circuits.
   
   h. Define direct and alternating current.
   
   i. Distinguish the difference between series and parallel circuits.
   
   j. Identify major developments in the history of lighting the stage.
   
   k. Describe subtractive and additive color mixing.
   
   l. Analyze scripts and determine practical lighting requirements for a variety of situations.
   
   m. Compose a lighting concept for a given play.
   
   n. Evaluate the work of other designers in written form.
   
   o. Demonstrate the ability to read and understand light plots and section drawings.

2. **Lab Learning Goals**
   Upon satisfactory completion of the lab portion of this course, the student will be able to:
   
   a. Identify modern stage lighting equipment including instrumentation, accessories, distribution and control devices.
   
   b. Demonstrate an understanding of the use of color on stage by selecting a pallette for an assigned play scene.
   
   c. Synthesize a lighting approach to a given project and execute the design in a laboratory setting.
   
   d. Demonstrate the ability to read and understand a light plot drawing by assisting with the hang and focus of a fully supported play, musical or dance production.

IV. METHODS OF ASSESSMENT (TYPICAL)

A. **FORMATIVE ASSESSMENT**

   1. Written critiques of the lighting for (2) live productions.
   
   2. Objective exam (midterm).
   
   3. Quizzes.
   
   4. In class discussions.
B. **SUMMATIVE ASSESSMENT**

1. Final exam in the form of a practical final project.